

NTP Historical Controls Report

By Route And Vehicle

RATS

October 2007

REPORT DESCRIPTION

This report shows the tumor rates of control group animals from selected studies. The studies used are shown on the Study Summary page.

This report is broken up into sections based on the route and vehicle used to deliver the chemical. The Table of Contents on Page 3 shows the different Route/Vehicle combinations. To see the data from all routes and vehicles combined into one set, you must run the "All Routes" report.

The individual tumor rates shown on the data pages of the report relate to the Study Summary page as follows: the tumor rates are shown in the same order as the Study Summary page, except that they are grouped horizontally in sets of three, with the males in the first set of three and the females in the second set. For example if the study summary showed the studies like this:

Male	
	M1
	М2
	М3
	Μ4
	М5
Fema	ale
	F1
	F2
	F3
	F4
	F5

the data would be shown as:

	Male		Female					
M1	M2	МЗ	F1	F2	F3			
M4	M5		F4	F5				

Directly beneath the individual tumor rates on the data pages are the overall totals for that tumor/site combination. This includes the total tumors/animals, the overall mean (in parentheses), the mean of the study means, and the standard deviation of the study means.

Studies with no control animals of a particular gender are listed on the summary page with the Number of Animals shown as zero and the Start Date and Length of Study shown as "N/A". On the data pages there are blank spaces where tumor rates for these studies would normally be found, so that the male and female rates for the remaining studies can be easily compared.

Table of Contents

Route	Vehicle	Page Number
GAVAGE	CORN OIL	4
GAVAGE	METHYLCELLULOSE	44
GAVAGE	WATER	74
INHALATION	AIR	114
ORAL	FEED	162
ORAL	WATER	210
SKIN	ETHANOL	258

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Page: 4

Report Date:10/04/2007

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical			
Male										
Battelle Columbus Laboratory Battelle Columbus Laboratory	058810503 059902303	04/22/02 03/25/02	729 729	50 (3) 50 (3)	35(702) 29(683)	521.9 501.9	Isoeugenol beta-Myrcene			
Female										
Battelle Columbus Laboratory Battelle Columbus Laboratory	058810503 059902303	04/23/02 03/26/02	730 730	50 (5) 50 (5)	33(699) 31(668)	339.3 323.8	Isoeugenol beta-Myrcene			

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 5

			Male				Female	
#All Organs: Benign Tumors		49/50 (98%)	49/50 (98%)			41/50 (82%)	40/50 (80%)	
Overall Incidence	Total	98/100 (98%)	Mean 98%	SD 0%	Total	81/100 (81%)	Mean 81%	SD 1.41%
#All Organs: Malignant Tumors		29/50 (58%)	23/50 (46%)			18/50 (36%)	11/50 (22%)	
Overall Incidence	Total	52/100 (52%)	Mean 52%	SD 8.49%	Total	29/100 (29%)	Mean 29%	SD 9.9%
#All Organs: Malignant and Benign Tu		50/50 (100%)	50/50 (100%)			46/50 (92%)	45/50 (90%)	
Overall Incidence	Total	100/100 (100%)	Mean 100%	SD 0%	Total	91/100 (91%)	Mean 91%	SD 1.41%
#All Organs: Hemangioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#All Organs: Hemangiosarcoma		(00)	(201)				0.770 (001)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Hemangiosarcoma or He		1/50 (2%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/100 (1%)	0/30 (0%) Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 6

#All Organs:							Female	
Histiocytic Sarcoma	,	0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Leukemia: Lymphocytic, Mono Undifferentiated								
		10/50 (20%)	9/50 (18%)			8/50 (16%)	5/50 (10%)	
Overall Incidence	Total	19/100 (19%)	Mean 19%	SD 1.41%	Total	13/100 (13%)	Mean 13%	SD 4.24%
	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		,				,		30 0%
•		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Benign, Maligna			2/50 (4%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	5/100 (5%)	Mean 5%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%
All Organs: Mesothelioma: Malignant		3/50 (6%)	2/50 (4%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	5/100 (5%)	2/50 (4%) Mean 5%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 7

			Male				Female	
#All Organs: Osteoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Osteosarcoma		2/50 (4%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma or Osteoma		0/50 (40/)	4/50 (00()			0/50 /00/)	0/50 (0%)	
Overall Incidence	Total	2/50 (4%) 3/100 (3%)	1/50 (2%) Mean 3%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Adrenal Cortex: Adenoma		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
*Adrenal Cortex: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Adrenal Medulla: Ganglioneuroma		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 8

			Male				Female	
*Adrenal Medulla: Hemangioma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
*Adrenal Medulla: Pheochromocytoma Ber		5/50 (10%)	11/50 (22%)			2/50 (4%)	1/50 (2%)	
Overall Incidence	Total	16/100 (16%)	Mean 16%	SD 8.49%	Total	3/100 (3%)	Mean 3%	SD 1.41%
*Adrenal Medulla: Pheochromocytoma Cor		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Mal		3/50 (6%)	2/50 (4%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	5/100 (5%)	Mean 5%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Be	nign, Comple	x, Malignant, NOS 7/50 (14%)	13/50 (26%)			2/50 (4%)	1/50 (2%)	
Overall Incidence	Total	20/100 (20%)	Mean 20%	SD 8.49%	Total	3/100 (3%)	Mean 3%	SD 1.41%
#Blood Vessel: Osteosarcoma		0/50 /00/	0/50 (004)			0/50 /00/	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

SISIOII. OCIZOO7

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 9

			Male				Female	
#Bone: Chondrosarcoma		0/50 (00/)	0/50 (00/)			0/50 /00/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Chondrosarcoma or Chondr								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Chordoma		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Bone: Osteoma	•							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Osteosarcoma								
Overall Incidence	Total	2/50 (4%) 3/100 (3%)	1/50 (2%) Mean 3%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Osteosarcoma or Osteoma								
Overall Incidence	Total	2/50 (4%) 3/100 (3%)	1/50 (2%) Mean 3%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

CISION: OCIZOO7

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 10

			Male				Female	
*Brain: Astrocytoma Malignant Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Ependymoma Benign		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Glioma Malignant Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Granular Cell Tumor Benign Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		0/100 (0/0)	Wicari 070	OD 070	iotai	0/100 (0/0)	Wican 070	00 070
*Brain: Medulloblastoma Mal Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overall illicidence		,				` ,		
*Brain: Meningioma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

SIOII. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 11

			Male				Female	
*Brain: Meningioma: Benign, Mal	ignant, NOS	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma Benig	jn	0/50 (0%)	1/50 (2%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma Malig		1/50 (2%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%
*Brain: Oligodendroglioma, Glion	ma, or Astrocy	ytoma 1/50 (2%)	1/50 (2%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
*Clitoral/Preputial Gland: Adenoma		0/50 (40/)	F/50 (400V)			0/40 (00)	7/50 (440)	
Overall Incidence	Total	2/50 (4%) 7/100 (7%)	5/50 (10%) Mean 7%	SD 4.24%	Total	3/48 (6%) 10/98 (10.2%)	7/50 (14%) Mean 10.12%	SD 5.48%
*Clitoral/Preputial Gland: Carcinoma								
Overall Incidence	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%	Total	2/48 (4%) 2/98 (2.04%)	0/50 (0%) Mean 2.08%	SD 2.95%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

C131011. OCt2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 12

			Male				Female	
*Clitoral/Preputial Gland: Carcinoma or Adenoma		4/50 (8%)	5/50 (10%)			5/48 (10%)	7/50 (14%)	
Overall Incidence	Total	9/100 (9%)	Mean 9%	SD 1.41%	Total	12/98 (12.24%)	Mean 12.21%	SD 2.53%
*Clitoral/Preputial Gland: Fibrosarcoma		0/50 (0%)	0/50 (0%)			0/48 (0%)	0/50 (0%)	
Overall Incidence	Total	0/30 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%
*Clitoral/Preputial Gland: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)			0/48 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%
#Ear: Neural Crest Tumor		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Esophagus: Fibrosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Eye: Amelanotic Melanoma, Ben	nign		0/50 (09/)				0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

:131011. OCI2001

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 13

			Male				Female	
#Eye: Melanoma Benign Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		` ,				,		
#Eye: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Harderian Gland: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Harderian Gland: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Harderian Gland: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Heart: Schwannoma Benign								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

JII. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 14

			Male		Female
*Heart: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	0/50	(0%) 0/50 (0%)
Overall Incidence	Total	0/100 (0%)	Mean 0% SD 0	0% Total 0/100 (0	0%) Mean 0% SD 0%
#Intestine Large: Colon/Rectum: Adenoma					(00)
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0	0/50 0% Total 0/100 (0	(0%) 0/50 (0%) 0%) Mean 0% SD 0%
#Intestine Large: Colon/Rectum: Carcinoma		0/50 (0%)		0/50	(0%) 0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0% SD 0		()
#Intestine Large: Colon/Rectum: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50	(0%) 0/50 (0%)
Overall Incidence	Total	0/100 (0%)	Mean 0% SD 0		()
#Intestine Large: Colon/Rectum: Leiomyosarcoma					
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0	0/50 % Total 0/100 (0	(0%) 0/50 (0%) 0%) Mean 0% SD 0%
#Intestine Small: Duodenum: Carcinoma	••••				(09/) 0/50 (09/)
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0	0/50 9% Total 0/100 (0	(0%) 0/50 (0%) 0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 15

Report Date: 10/04/2007

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
#Intestine Small: Duodenum: Leiomyoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyoma								
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyosarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Site Unspeci Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Site Unspeci Carcinoma or Adenoma	fied:							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Site Unspeci Leiomyoma								
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

1**51011.** OCt2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 16

			Male				Female	
Intestine Small: Site Unspecif Leiomyosarcoma	ied:							
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
slets, Pancreatic: Adenoma								
Overall Incidence	Total	4/50 (8%) 6/100 (6%)	2/50 (4%) Mean 6%	SD 2.83%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
Islets, Pancreatic: Carcinoma								
		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
verall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
slets, Pancreatic: Carcinoma or Adenoma								
		4/50 (8%)	3/50 (6%)			0/50 (0%)	1/50 (2%)	
verall Incidence	Total	7/100 (7%)	Mean 7%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%
idney: Pelvis and Transition	al Epitheliu	m:						
		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
verall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Transitiona Carcinoma or Adenoma		m:						
	-	0/50 (0%)	1/50 (2%)	00 4 440/	-	0/50 (0%)	0/50 (0%)	OD 00/
verall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 17

			Male				Female	
*Kidney: Pelvis and Transition Papilloma	al Epitheliu	m:						
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Kidney: Renal Tubule: Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma		2/22 (221)	0/50 (00)			(201)	(00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
'Kidney: Renal Tubule: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Hemangiosarcoma		4/50 (00/)	0/50 (00()			0/50 (00)	0/50 (00)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Kidney: Renal Tubule: Lipoma		0/50 (/0//)	4/50 (20/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 18

			Male				Female	
*Kidney: Renal Tubule: Liposarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Kidney: Renal Tubule: Mesenchymal Tumor Benign		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/30 (0%)	0/50 (0%) Mean 0%	SD 0%
*Kidney: Renal Tubule: Nephroblastoma		0/50 (00/)	0/50 (00/)			0/50 (0%)	4/50 (00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
*Kidney: Renal Tubule: Sarcoma	• • • • • • • • • • • • • • • • • • • •			•••••				
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Liver: Cholangiocarcinoma		0/50 (00/)	0/50 (00/)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Liver: Cholangioma		0/50 (00/)	0/50 (00)	•••••		0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

4 40 1 400

Contract/Lab: All Laboratories Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 19

			Male				Female	
*Liver: Hemangiosarcoma		4/50 (20/)	0/50 (0%)			0/50 (09/)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Liver: Hepatocellular Adenoma		4/50 (20/)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Liver: Hepatocellular Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinoma	or Hepatob	lastoma 0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
_iver: Hepatocellular Carcinoma		ellular Adenoma 1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinoma Hepatoblastoma								
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 20

			Male				Female	
Lung: Alveolar/Bronchiolar Ac	denoma	0/50 (00/)	0(50 (00))			4/50 (00/)	4/50 (00)	
Overall Incidence	Total	3/50 (6%) 6/100 (6%)	3/50 (6%) Mean 6%	SD 0%	Total	1/50 (2%) 5/100 (5%)	4/50 (8%) Mean 5%	SD 4.24%
Lung: Alveolar/Bronchiolar Ca	arcinoma	(00)	0.50			0/50 (00)	0.50	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Lung: Alveolar/Bronchiolar Ca Adenoma	arcinoma or Al	veolar/Bronchiolar						
		4/50 (8%)	3/50 (6%)			1/50 (2%)	4/50 (8%)	
Overall Incidence	Total	7/100 (7%)	Mean 7%	SD 1.41%	Total	5/100 (5%)	Mean 5%	SD 4.24%
Lung: Hemangiosarcoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
Lung: Sarcoma		0/50 (00/)	0(50 (00))			0(50 (00))	0(50 (00))	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Lung: Squamous Cell Carcino	ma	0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Page: 21

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

			Male				Female	
#Lymph Node, Mesenteric: Sarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Mammary Gland: Carcinoma		0/50 (0%)	0/50 (0%)			4/50 (8%)	0/50 (0%)	
Overall Incidence	Total	0/30 (0%)	Mean 0%	SD 0%	Total	4/100 (4%)	Mean 4%	SD 5.66%
#Mammary Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)			4/50 (8%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	4/100 (4%)	Mean 4%	SD 5.66%
#Mammary Gland: Fibroadenoma								
Overall Incidence	Total	4/50 (8%) 4/100 (4%)	0/50 (0%) Mean 4%	SD 5.66%	Total	26/50 (52%) 43/100 (43%)	17/50 (34%) Mean 43%	SD 12.73%
#Mammary Gland: Fibroma	••••					0/50 (09/)		
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

131011. OCIZOU1

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 22

			Male				Female	
#Mammary Gland: Fibroma, Fibroadenoma	or Adenoma							
Overall Incidence	Total	4/50 (8%) 4/100 (4%)	0/50 (0%) Mean 4%	SD 5.66%	Total	26/50 (52%) 43/100 (43%)	17/50 (34%) Mean 43%	SD 12.73%
#Mammary Gland: Fibroma, Fibroadenoma,	Carcinoma, c	or Adenoma						
		4/50 (8%)	0/50 (0%)			28/50 (56%)	17/50 (34%)	
Overall Incidence	Total	4/100 (4%)	Mean 4%	SD 5.66%	Total	45/100 (45%)	Mean 45%	SD 15.56%
#Mesentery:						•••••		
Fibrosarcoma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Mesentery:								
Hemangiosarcoma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
overali incidence	rotai	0/100 (0%)	wean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Mesentery:								
Osteosarcoma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
Overell Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	CD 00/	Total	0/50 (0%)	0/50 (0%) Mean 0%	CD 00/
Overall Incidence	Total	0/100 (0%)		SD 0%	Total	0/100 (0%)		SD 0%
Mesentery: Rhabdomyosarcoma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

131011. OCIZOU1

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 23

			Male				Female	
*Nose: Adenoma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Nose: Chondroma		0/50 (0%)	0/50 (0%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Nose: Sarcoma					•••••		0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Nose: Squamous Cell Carcinom	na	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, To Papilloma Squamous or I	ongue, Phary				•••••			
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinom	ongue, Phary	nx, Tooth, Gingiva):					•••••	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Page: 24

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

			Male				Female	
Oral Cavity (Oral Mucosa, Tong Squamous Cell Carcinoma, I Papilloma		Squamous, or						
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%
Oral Mucosa: Squamous Cell Carcinoma		4/50 (00)	0/50 (00)			0/50 (00/)	4/50 (00/)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
Oral Mucosa: Squamous Cell Papilloma		0/50 (00()	4/50 (00/)			0/50 (0%)	0/50 (00/)	
overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Ovary: Granulosa Cell Tumor Benig verall Incidence	n				Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
Ovary: Granulosa Cell Tumor Malig	nant					0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/100 (0%)	Mean 0%	SD 0%
Ovary: Granulosa Cell Tumor: Beniq	gn, Malign	ant, NOS						
overall Incidence					Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 25

			Male				Female	
*Ovary: Granulosa-Theca Tumor Bo	enign							
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pancreas: Adenoma		7/50 (440/)	4/50 (20/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	7/50 (14%) 8/100 (8%)	1/50 (2%) Mean 8%	SD 8.49%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pancreas: Carcinoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/30 (0%)	Mean 0%	SD 0%
*Pancreas: Carcinoma or Adenoma		8/50 (16%)	4/50 (20/)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	8/50 (16%) 9/100 (9%)	1/50 (2%) Mean 9%	SD 9.9%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pancreas: Mixed Tumor Benign		0/50 (00()	0/50 (00/)			0/50 (00)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Parathyroid Gland: Adenoma		0/47 (0%)	1/45 (2%)			0/47 (0%)	0/47 (0%)	
Overall Incidence	Total	1/92 (1.09%)	Mean 1.11%	SD 1.57%	Total	0/47 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Page: 26

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

			Male				Female	
#Peripheral Nerve: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Peripheral Nerve: Schwannoma: Benign, M	lalignant, NOS		0/50 (00/)		•••••	0/50 (00()	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pituitary Gland: Pars Distali Adenoma		ied Site:						
Overall Incidence	Total	19/50 (38%) 25/100 (25%)	6/50 (12%) Mean 25%	SD 18.38%	Total	25/50 (50%) 50/100 (50%)	25/50 (50%) Mean 50%	SD 0%
*Pituitary Gland: Pars Distali Carcinoma	s or Unspecif		0/50 (00/)			0/50 (00()	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pituitary Gland: Pars Distali Carcinoma or Adenoma	s or Unspecif							
Overall Incidence	Total	19/50 (38%) 25/100 (25%)	6/50 (12%) Mean 25%	SD 18.38%	Total	25/50 (50%) 50/100 (50%)	25/50 (50%) Mean 50%	SD 0%
*Pituitary Gland: Pars Interm Adenoma	edia:	4/50 (20/)	0/50 /00/			0/50 (09/)	0/50 (09/)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 27

			Male				Female	
*Pituitary Gland: Pars Intermo	edia:							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pituitary Gland: Pars Interme Carcinoma or Adenoma	edia:	4/50 (20()	0/50 (00/)			0/50 (00/)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Prostate: Adenoma		0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%				
*Prostate: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%				
*Salivary Glands: Sarcoma		0/50 (0%)	0/50 (0%)			0/49 (0%)	0/50 (0%)	
Overall Incidence	Total	0/30 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%
*Salivary Glands: Schwannoma Malignant		0/50 /00()	0/50 (0%)			0/40 (00/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

151011. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 28

			Male			Female 0/50 (0%) 0/100 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) 0/100 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) Mean 0% SD 0%			Female			
#Skeletal Muscle: Fibrosarcoma		2/22 (221)	2/22 (22/)			2/22 (221)	2(72 (224)					
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` '	` '	SD 0%				
#Skeletal Muscle: Hemangioma		0/50 (0%)	0/50 (0%)		•••••	0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	` ,	` ,	SD 0%				
#Skeletal Muscle: Hemangiosarcoma		0/50 (0%)	0/50 (00/)			0/50 (00/)	0/50 (00/)					
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` ,	` ,	SD 0%				
#Skeletal Muscle: Lipoma		0/50 (00/)	0/50 /00/)		•••••	0/50 (00/)	0/50 (0%)					
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` ,	(/	SD 0%				
#Skeletal Muscle: Rhabdomyosarcoma		(201)	(201)		•••••	2(72 (22))	(004)					
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%				
#Skeletal Muscle: Rhabdomyosarcoma or R	habdomyom		4/50 (20/)			0/50 (00/)	0/50 (00/)					
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS
Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 29

			Male			0/50 (0%) 1/50 (2%) otal 1/100 (1%) Mean 1% SD 1.41% 0/50 (0%) 1/50 (2%) otal 1/100 (1%) Mean 1% SD 1.41% 0/50 (0%) 1/50 (2%) otal 1/100 (1%) Mean 1% SD 1.41% 0/50 (0%) 0/50 (0%)			
#Skeletal Muscle: Sarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	` '	` ,	SD 0%	
∜Skin: Basal Cell Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	` '	` '	SD 1.41%	
#Skin: Basal Cell Adenoma or Ba	asosquamou	us Tumor Benign 0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	` ,			
#Skin: Basal Cell Adenoma, Basa Trichoepithelioma		Tumor Benign, or		•••••					
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` '	` '	SD 1.41%	
Skin: Basal Cell Carcinoma	•	1/50 (2%)	1/50 (2%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	` ,	` ,	SD 0%	
¢Skin: Basal Cell Carcinoma or E NOS)	3asosquamo	_	r						
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Page: 30

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

			Male				Female				
#Skin: Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma 1/50 (2%) 1/50 (2%) 0/50 (0%) 1/50 (2%)											
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%			
fSkin: Basal or Sq. Cell Carcin or B), Basal Cell Adenoi	oma, Carcinor ma, Adenoma,	na, Basosq. Tumor (M Papilloma, Sq									
Papilloma, Keratoacanti Overall Incidence	Total	8/50 (16%) 11/100 (11%)	3/50 (6%) Mean 11%	SD 7.07%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%			
Skin: Fibroma		5/50 (10%)	3/50 (6%)			0/50 (0%)	2/50 (4%)				
Overall Incidence	Total	8/100 (8%)	Mean 8%	SD 2.83%	Total	2/100 (2%)	Mean 2%	SD 2.83%			
Skin: Fibroma, Fibrosarcoma Fibrous Histiocytoma						0/50 (0%)	3/50 (6%)				
Overall Incidence	Total	11/100 (11%)	Mean 11%	SD 4.24%	Total	3/100 (3%)	Mean 3%	SD 4.24%			
Skin: Fibrosarcoma		1/50 (29/)									
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%			
Skin: Fibrosarcoma, Sarcoma Histiocytoma			1/50 (2%)			0/50 (0%)	1/50 (2%)				
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 31

			Male			Female 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)		
#Skin: Fibrous Histiocytoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	` ,	` '	SD 0%
#Skin: Hemangioma		0/50 (/0//)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` ,	` ,	SD 0%
#Skin: Hemangiosarcoma		0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	` ,	` '	SD 0%
#Skin: Keratoacanthoma		7/50 (14%)	2/50 (4%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	9/100 (9%)	Mean 9%	SD 7.07%	Total	` ,	` '	SD 0%
#Skin: Lipoma		2/50 (4%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	` ,	()	SD 0%
#Skin: Liposarcoma		0/50 (00()	0/50 (00/)			0/50 (00)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

151011. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 32 Report Date:10/04/2007

			Male		Female Total 0/50 (0%) 0/100 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/100 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0%			
#Skin: Neural Crest Tumor		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	` ,	` ,	SD 0%
#Skin: Neurofibroma or Schwi	annoma benign		0/50 (0%)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total			SD 0%
#Skin: Neurofibrosarcoma or	Schwannoma (malignant or NOS) 0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	` '	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Ne malignant or NOS)	eurofibroma, or	Schwannoma (benign,						
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` ,	` ,	SD 0%
#Skin: Osteosarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Sarcoma	•••••		1/50 (2%)			0/50 (0%)	0/50 (0%)	
		1/50 (2%)						

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: F344

Contract/Lab: All Laboratories Species: RATS

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 33

			Male		Female 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%) 0/100 (0%) 0/50 (0%) 0/50 (0%)			
#Skin: Schwannoma Benign		0/50 (0%)	0/50 (0%)			0/50 (09/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` '	` ,	SD 0%
Skin: Schwannoma Malignant					•••••			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` '	` ,	SD 0%
≮Skin: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	` ,	` '	SD 0%
#Skin: Squamous Cell Carcinoma, Basosquamous Tumor (ma			1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	` '		
Skin: Squamous Cell Papilloma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` ,	` ,	SD 0%
Skin: Squamous Cell Papilloma c	r Papillom	a 0/50 (0%)	0/50 (0%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 34

			Male				Female				
#Skin: Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma											
Overall Incidence	Total	7/50 (14%) 9/100 (9%)	2/50 (4%) Mean 9%	SD 7.07%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
#Skin:											
Squamous Cell Papilloma,	Papilloma,		0/50 (40/)			0/50 (00/)	0/50 (00/)				
Overall Incidence	Total	7/50 (14%) 9/100 (9%)	2/50 (4%) Mean 9%	SD 7.07%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
#Skin: Trichoepithelioma											
		0/50 (0%)	0/50 (0%)	00.007		0/50 (0%)	0/50 (0%)	22.00/			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%			
#Skin: Sebaceous Gland: Adenoma		1/50 (2%)	1/50 (2%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
#Skin: Sebaceous Gland: Carcinoma											
		0/50 (0%)	0/50 (0%)	OD		0/50 (0%)	0/50 (0%)	27. 22/			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%			
#Skin: Sebaceous Gland: Carcinoma or Adenoma		1/50 (2%)	1/50 (2%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
Jveran miciuence	i Ulai	2/100 (2/0)	IVICALI Z/0	3D 0/0	i Ulai	0/100 (0/6)	IVICALI U/0	30 0%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

: Sion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 35

		Male				0/50 (0%) 0/50 (0%) tal 0/100 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) tal 0/100 (0%) Mean 0% SD 0% tal 0/50 (0%) 0/50 (0%) tal 0/100 (0%) Mean 0% SD 0%			Female		
#Spinal Cord: Astrocytoma Benign		0/50 (00/)	0/50 (00/)			0/50 (00/)	4/50 (00/)				
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` ,	` '	SD 1.41%			
'Spleen: Fibrosarcoma		0/50 (00/)	0/50 (00/)			0/50 (00)	0/50 (00/)				
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` '	` '	SD 0%			
*Spleen: Hemangioma		0/50 (00/)	0/50 (00/)			0/50 (00()	0/50 (00/)				
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` ,	` '	SD 0%			
Spleen: Hemangiosarcoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	` ,	()	SD 0%			
Spleen: Leiomyosarcoma			0/70 (001)		•••••						
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	` ,	()	SD 0%			
#Stomach, Forestomach: Leiomyosarcoma		0/50 (0%)	0/50 (0%)		•••••	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 36

			Male				Female	
#Stomach, Forestomach: Schwannoma Malignant		0/50 (00/)	0/50 (00/)			0/50 /00/3	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma o Overall Incidence	r Papillon Total	na Squamous 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Stomach, Glandular: Leiomyosarcoma		0/50 (00()	0/50 (09/)		•••••	0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Glandular: Lipoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 37

Report Date: 10/04/2007

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

			Male				Female	
*Testes: Adenoma		(224)	(T) (0.101)					
Overall Incidence	Total	46/50 (92%) 93/100 (93%)	47/50 (94%) Mean 93%	SD 1.41%				
*Thymus: Sarcoma		0/47 (0%)	0/47 (0%)			0/47 (0%)	0/49 (0%)	
Overall Incidence	Total	0/94 (0%)	Mean 0%	SD 0%	Total	0/96 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Benign		0/47 (000)	0/47 (00/)			2/17 (20/)	0/40 (00/)	
Overall Incidence	Total	0/47 (0%) 0/94 (0%)	0/47 (0%) Mean 0%	SD 0%	Total	0/47 (0%) 0/96 (0%)	0/49 (0%) Mean 0%	SD 0%
*Thymus: Thymoma Malignant		0/47 (0%)	0/47 (0%)			0/47 (0%)	0/49 (0%)	
Overall Incidence	Total	0/94 (0%)	Mean 0%	SD 0%	Total	0/96 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Maligna	ant, NOS	0/47 (000)	0/47 (00/)			0/17 (00/)	0/40 (00/)	
Overall Incidence	Total	0/47 (0%) 0/94 (0%)	0/47 (0%) Mean 0%	SD 0%	Total	0/47 (0%) 0/96 (0%)	0/49 (0%) Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma		0/50 (400/)	40/50 (040/)			7/50 (440)	F/F0 (409/)	
Overall Incidence	Total	9/50 (18%) 21/100 (21%)	12/50 (24%) Mean 21%	SD 4.24%	Total	7/50 (14%) 12/100 (12%)	5/50 (10%) Mean 12%	SD 2.83%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Sion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 38

			Male				Female	
*Thyroid Gland: C-Cell: Carcinoma								
Overall Incidence	Total	6/50 (12%) 6/100 (6%)	0/50 (0%) Mean 6%	SD 8.49%	Total	3/50 (6%) 3/100 (3%)	0/50 (0%) Mean 3%	SD 4.24%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		15/50 (30%)	12/50 (24%)			9/50 (18%)	5/50 (10%)	
Overall Incidence	Total	27/100 (27%)	Mean 27%	SD 4.24%	Total	14/100 (14%)	Mean 14%	SD 5.66%
*Thyroid Gland: Follicular Cell: Adenoma		(00)	(201)			0/50 (00)	2/22 (221)	
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Thyroid Gland: Follicular Cell: Carcinoma								
Overall Incidence	Total	1/50 (2%) 3/100 (3%)	2/50 (4%) Mean 3%	SD 1.41%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma								
Overall Incidence	Total	2/50 (4%) 5/100 (5%)	3/50 (6%) Mean 5%	SD 1.41%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
#Tissue NOS: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 39

			Male				Female	
#Tissue NOS: Leiomyoma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tissue NOS: Lipoma		0/50 (00/)	0/50 (00/)		•••••	0/50 (/0//)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tissue NOS: Paraganglioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tissue NOS: Sarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tissue NOS: Schwannoma Malignant		0/50 (00/)	0/50 (00/)	•••••		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tongue: Liposarcoma		0/50 (00)	0/50 (00)	•••••		0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

151011. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 40

			Male				Female	
#Tongue: Squamous Cell Carcinoma	or Papillon	na Squamous 0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Tongue: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Tooth: Odontoma		0/50 (0%)	0/50 (0%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma or Papilloma		0/50 /00/	4/50 (00/)			0/50 (004)	0/50 (00)	
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Urinary Bladder: Leiomyosarcoma					•••••			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Page: 41

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Urinary Bladder: Papilloma		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Uterus: Adenoma						(00)	0/50 (00)	
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Carcinoma						(00)	(201)	
Overall Incidence					Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
#Uterus: Deciduoma Benign						1/50 (2%)	0/50 (0%)	
Overall Incidence					Total	1/100 (1%)	Mean 1%	SD 1.41%
#Uterus: Hemangioma								
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Hemangiosarcoma								
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 42

Report Date: 10/04/2007

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

		Female	
Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Total	8/50 (16%) 16/100 (16%)	8/50 (16%) Mean 16%	SD 0%
Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Total	8/50 (16%) 16/100 (16%)	8/50 (16%) Mean 16%	SD 0%
Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
	Total Total Total	Total 0/100 (0%) 8/50 (16%) Total 16/100 (16%) 0/50 (0%) Total 0/100 (0%) Total 16/100 (16%) Total 0/50 (0%) Total 0/100 (0%)	0/50 (0%) 0/50 (0%) Total 0/100 (0%) 8/50 (16%) 8/50 (16%) Total 16/100 (16%) 0/50 (0%) 0/50 (0%) Total 0/100 (0%) Mean 0% 3/50 (16%) 8/50 (16%) Total 16/100 (16%) Mean 16% Total O/50 (0%) O/50 (0%) Mean 0% 1/50 (2%) O/50 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Report Date:10/04/2007

Page: 43

Species: RATS Strain: F344

Length of Study: CHRONIC

Route: GAVAGE Vehicle: CORN OIL

			Male				Female	
#Vagina: Sarcoma						0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/100 (0%)	Mean 0%	SD 0%
#7balla Olandı								
#Zymbal's Gland: Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma								
Overall Incidence	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
Overall Incidence	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Vehicle: METHYLCELLULOSE

Page: 44

Report Date: 10/04/2007

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical			
Male										
Southern Research Institute	059100507	06/26/00	730	50 (3)	30(693)	520.6	Methylene blue trihydrate			
	Female									
Southern Research Institute	059100507	06/26/00	733	50 (5)	35(699)	335.9	Methylene blue trihydrate			

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 45

Report Date: 10/04/2007

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

		Male		Female
#All Organs: Benign Tumors	47/50	(94%)	47/50	(94%)
#All Organs: Malignant Tumors		(60%)	19/50	
#All Organs: Malignant and Benign Tumors	49/50	(98%)		(100%)
#All Organs: Hemangioma	1/50	(2%)	0/50	(0%)
#All Organs: Hemangiosarcoma	1/50	(2%)	1/50	(2%)
#All Organs: Hemangiosarcoma or Hemangioma	2/50	(4%)	1/50	(2%)
#All Organs: Histiocytic Sarcoma	0/50	(0%)	1/50	(2%)
#All Organs: Leukemia: Lymphocytic, Monocytic, Mo				
Undifferentiated	23/50	(46%)	12/50	(24%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 46

		Male		Female
#All Organs: Malignant Lymphoma: Histiocytic, Lympl or Undifferentiated Cell Type	hocytic, I	Mixed, NOS,		
or original continued our type	0/50	(0%)	0/50	(0%)
#All Organs: Mesothelioma: Benign			0/50	(00)
	0/50	(0%)	0/50	(0%)
#All Organs: Mesothelioma: Benign, Malignant, NOS	3/50	(6%)	0/50	(0%)
#All Organs: Mesothelioma: Malignant	3/50	(6%)	0/50	(0%)
#All Organs:				
Osteoma	0/50	(0%)	0/50	(0%)
#All Organs:				
Osteosarcoma	0/50	(0%)	1/50	(2%)
#All Organs:				
Osteosarcoma or Osteoma	0/50	(0%)	1/50	(2%)
*Adrenal Cortex:			 	
Adenoma	1/50	(2%)	1/50	(2%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Page: 47

		Male		Female
*Adrenal Cortex: Carcinoma	0/50	(0%)	0/50	(0%)
*Adrenal Medulla: Ganglioneuroma	0/50	(0%)	0/50	(0%)
*Adrenal Medulla: Hemangioma	0/50	(0%)	0/50	(0%)
*Adrenal Medulla: Pheochromocytoma Benign	9/50	(18%)	2/50	(4%)
*Adrenal Medulla: Pheochromocytoma Complex	1/50	(2%)	0/50	(0%)
*Adrenal Medulla: Pheochromocytoma Malignant		(2%)	0/50	(0%)
*Adrenal Medulla: Pheochromocytoma: Benign, Complex, N	11/50	, NOS (22%)	2/50	(4%)
#Blood Vessel: Osteosarcoma	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: METHYLCELLULOSE

Page: 48

		Male		Female
#Bone: Chondrosarcoma	0/50	(0%)	0/50	(0%)
#Bone: Chondrosarcoma or Chondroma	0/50	(0%)	0/50	(0%)
#Bone: Chordoma	0/50	(0%)	0/50	(0%)
#Bone: Osteoma	0/50	(0%)	0/50	(0%)
#Bone: Osteosarcoma	0/50	(0%)	1/50	(2%)
#Bone: Osteosarcoma or Osteoma	0/50	(0%)	1/50	(2%)
*Brain: Astrocytoma Malignant	0/50	(0%)	0/50	(0%)
*Brain: Ependymoma Benign	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: RATS
Strain: F344

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE
Vehicle: METHYLCELLULOSE

Page: 49 Report Date:10/04/2007

		Male		Female
*Brain: Glioma Malignant	0/50	(0%)	0/50	(0%)
*Brain: Granular Cell Tumor Benign	0/50	(0%)	0/50	(0%)
*Brain: Medulloblastoma Mal	0/50	(0%)	0/50	(0%)
*Brain: Meningioma Malignant	0/50	(0%)	0/50	(0%)
*Brain: Meningioma: Benign, Malignant, NOS	0/50	(0%)	0/50	(0%)
*Brain: Oligodendroglioma Benign	0/50	(0%)	0/50	(0%)
*Brain: Oligodendroglioma Malignant	0/50	(0%)	0/50	(0%)
*Brain: Oligodendroglioma, Glioma, or Astrocytom		(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Page: 50

Report Date: 10/04/2007

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

Male Female *Clitoral/Preputial Gland: Adenoma 1/50 (2%)(14%)*Clitoral/Preputial Gland: Carcinoma 0/50 (0%)1/50 (2%)*Clitoral/Preputial Gland: Carcinoma or Adenoma 1/50 (2%)8/50 (16%)*Clitoral/Preputial Gland: Fibrosarcoma (0%)0/50 0/50 (0%)*Clitoral/Preputial Gland: Squamous Cell Papilloma 0/50 (0%)0/50 (0%) #Ear: **Neural Crest Tumor** 0/50 (0%)0/50 (0%)...... #Esophagus:

0/50

0/50

(0%)

(0%)

0/50

0/50

(0%)

(0%)

Amelanotic Melanoma, Benign

Fibrosarcoma

#Eye:

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 51

		Male		Female
#Eye: Melanoma Benign	0/50	(0%)	0/50	(0%)
#Eye: Schwannoma Malignant	0/50	(0%)	0/50	(0%)
#Harderian Gland: Adenoma	0/50	(0%)	0/50	(0%)
#Harderian Gland: Carcinoma	0/50	(0%)	0/50	(0%)
#Harderian Gland: Carcinoma or Adenoma	0/50	(0%)	0/50	(0%)
*Heart: Schwannoma Benign	0/50	(0%)	0/50	(0%)
*Heart: Schwannoma Malignant	0/50	(0%)	0/50	(0%)
#Intestine Large: Colon/Rectum: Adenoma	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 52

		Male		Female
#Intestine Large: Colon/Rectum: Carcinoma	0/50	(0%)	0/50	(0%)
#Intestine Large: Colon/Rectum: Carcinoma or Adenoma	0/50	(0%)	0/50	(0%)
#Intestine Large: Colon/Rectum: Leiomyosarcoma	0/50	(0%)	0/50	(0%)
#Intestine Small: Duodenum: Carcinoma	0/50	(0%)	0/50	(0%)
#Intestine Small: Duodenum: Leiomyoma	0/50	(0%)	0/50	(0%)
#Intestine Small: Jejunum: Leiomyoma	0/50	(0%)	0/50	(0%)
#Intestine Small: Jejunum: Leiomyosarcoma	0/50	(0%)	0/50	(0%)
#Intestine Small: Site Unspecified: Carcinoma	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 53

		Male		Female
#Intestine Small: Site Unspecified: Carcinoma or Adenoma	0/50	(0%)	0/50	(0%)
#Intestine Small: Site Unspecified: Leiomyoma	0/50	(0%)	0/50	(0%)
#Intestine Small: Site Unspecified: Leiomyosarcoma	0/50	(0%)	0/50	(0%)
*Islets, Pancreatic: Adenoma	4/50	(8%)	2/49	(4%)
*Islets, Pancreatic: Carcinoma	0/50	(0%)	0/49	(0%)
*Islets, Pancreatic: Carcinoma or Adenoma	4/50	(8%)	2/49	(4%)
*Kidney: Pelvis and Transitional Epithelium: Carcinoma	0/50	(0%)	0/50	(0%)
*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 54

		Male		Female
*Kidney: Pelvis and Transitional Epithelium: Papilloma	0/50	(0%)	0/50	(0%)
		(0.0)		(070)
*Kidney: Renal Tubule: Adenoma				
	0/50	(0%)	0/50	(0%)
*Kidney: Renal Tubule: Carcinoma			•••••	
	0/50	(0%)	0/50	(0%)
*Kidney: Renal Tubule:				
Carcinoma or Adenoma	0/50	(0%)	0/50	(0%)
*Kidney: Renal Tubule:			•••••	
Hemangiosarcoma	0/50	(0%)	0/50	(0%)
*Kidney: Renal Tubule:			•••••	
Lipoma	0/50	(0%)	0/50	(0%)
*Kidney: Renal Tubule:				
Liposarcoma	0/50	(0%)	0/50	(0%)
*Kidney: Renal Tubule:				
Mesenchymal Tumor Benign	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 55

		Male		Female
*Kidney: Renal Tubule: Nephroblastoma	0/50	(0%)	0/50	(0%)
*Kidney: Renal Tubule: Sarcoma	0/50	(0%)	0/50	(0%)
*Liver: Cholangiocarcinoma	0/50	(0%)	0/50	(0%)
*Liver: Cholangioma	0/50	(0%)	0/50	(0%)
*Liver: Hemangiosarcoma	1/50	(2%)	0/50	(0%)
*Liver: Hepatocellular Adenoma	1/50	(2%)	0/50	(0%)
*Liver: Hepatocellular Carcinoma	0/50	(0%)	0/50	(0%)
*Liver: Hepatocellular Carcinoma or Hepatoblasto	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 56

		Male		Female
Liver: Hepatocellular Carcinoma or Hepatoc	ellular Aden 1/50	oma (2%)	0/50	(0%)
				(0.0)
Liver: Hepatocellular Carcinoma, Hepatocell Hepatoblastoma	ular Adenon	na, or		
	1/50	(2%)	0/50	(0%)
Lung:				
Alveolar/Bronchiolar Adenoma	1/50	(2%)	0/50	(0%)
Lung:				
Alveolar/Bronchiolar Carcinoma	0/50	(0%)	0/50	(0%)
Lung: Alveolar/Bronchiolar Carcinoma or Al				
Adenoma	1/50	(2%)	0/50	(0%)
d				
Lung: Hemangiosarcoma	0/50	(0%)	0/50	(0%)
Lung:				
Sarcoma	0/50	(0%)	0/50	(0%)
Lung:				
Squamous Cell Carcinoma	0/50	(0%)	0/50	(0%)
· Danominator is number of animals with tissues as				

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 57

		Male		Female
#Lymph Node, Mesenteric: Sarcoma	0/50	(0%)	0/50	(0%)
#Mammary Gland: Adenoma	0/50	(0%)	1/50	(2%)
#Mammary Gland: Carcinoma	0/50	(0%)	1/50	(2%)
#Mammary Gland: Carcinoma or Adenoma	0/50	(0%)	2/50	(4%)
#Mammary Gland: Fibroadenoma	2/50	(4%)	28/50	(56%)
#Mammary Gland: Fibroma	0/50	(0%)	0/50	(0%)
#Mammary Gland: Fibroma, Fibroadenoma or Adenoma	2/50	(4%)		(58%)
#Mammary Gland: Fibroma, Fibroadenoma, Carcinoma, or A	denoma 2/50	(4%)	30/50	(60%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Report Date: 10/04/2007

Page: 58

		Male		Female
#Mesentery: Fibrosarcoma	0/50	(0%)	0/50	(0%)
#Mesentery: Hemangiosarcoma	1/50	(2%)	0/50	(0%)
#Mesentery: Osteosarcoma	0/50	(0%)	0/50	(0%)
#Mesentery: Rhabdomyosarcoma	0/50	(0%)	0/50	(0%)
*Nose: Adenoma	0/50	(0%)	0/50	(0%)
*Nose: Chondroma	0/50	(0%)	0/50	(0%)
*Nose: Sarcoma	0/50	(0%)	0/50	(0%)
*Nose: Squamous Cell Carcinoma	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 59

		Male		Female
#Oral Cavity (Oral Mucosa, Tongue, Phary Papilloma Squamous or Papilloma	nx, Tooth, (Bingiva):		
rapilionia squamous oi rapilionia	0/50	(0%)	0/50	(0%)
#Oral Cavity (Oral Mucosa, Tongue, Phary Squamous Cell Carcinoma	nx, Tooth, (Bingiva):		
	1/50	(2%)	1/50	(2%)
#Oral Cavity (Oral Mucosa, Tongue, Phary Squamous Cell Carcinoma, Papilloma Papilloma	nx, Tooth, (Bingiva):		
гаршоша	1/50	(2%)	1/50	(2%)
#Oral Mucosa: Squamous Cell Carcinoma				
	1/50	(2%)	1/50	(2%)
#Oral Mucosa:				
Squamous Cell Papilloma	0/50	(0%)	0/50	(0%)
*Ovary: Granulosa Cell Tumor Benign				
Grandiosa Cen Tumor Benign			0/50	(0%)
*Ovary:				
Granulosa Cell Tumor Malignant			0/50	(0%)
			0/30	(0%)
*Ovary:				
Granulosa Cell Tumor: Benign, Malign	ant, NOS		0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 60

		Male		Female
*Ovary: Granulosa-Theca Tumor Benign			0/50	(0%)
*Pancreas: Adenoma	0/50	(0%)	1/49	(2%)
*Pancreas: Carcinoma	0/50	(0%)	0/49	(0%)
*Pancreas: Carcinoma or Adenoma	0/50	(0%)	1/49	(2%)
*Pancreas: Mixed Tumor Benign	1/50	(2%)	0/49	(0%)
*Parathyroid Gland: Adenoma	0/50	(0%)	0/47	(0%)
#Peripheral Nerve: Schwannoma Malignant	1/50	(2%)	0/50	(0%)
#Peripheral Nerve: Schwannoma: Benign, Malignant, NOS	1/50	(2%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 61

Report Date: 10/04/2007

Route: GAVAGE

Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

		Male		Female
*Pituitary Gland: Pars Distalis or Unspecified Adenoma	l Site:			
		(50%)	36/50	(72%)
*Pituitary Gland: Pars Distalis or Unspecified Carcinoma	l Site:			
	0/50	(0%)	0/50	(0%)
*Pituitary Gland: Pars Distalis or Unspecified Carcinoma or Adenoma	l Site:			
		(50%)	36/50	(72%)
*Pituitary Gland: Pars Intermedia: Adenoma				(00()
	0/50	(0%)	0/50	(0%)
*Pituitary Gland: Pars Intermedia: Carcinoma	0/50	(0%)	0/50	(0%)
*Pituitary Gland: Pars Intermedia:				
Carcinoma or Adenoma	0/50	(0%)	0/50	(0%)
*Prostate:				
Adenoma	1/50	(2%)		
*Prostate: Carcinoma or Adenoma				
Carcinoma or Adenoma	1/50	(2%)		

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE
Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Page: 62

		Male		Female
*Salivary Glands: Sarcoma	0/50	(0%)	0/50	(0%)
*Salivary Glands: Schwannoma Malignant	0/50	(0%)	0/50	(0%)
#Skeletal Muscle: Fibrosarcoma	0/50	(0%)	0/50	(0%)
#Skeletal Muscle: Hemangioma	1/50	(2%)	0/50	(0%)
#Skeletal Muscle: Hemangiosarcoma	0/50	(0%)	0/50	(0%)
#Skeletal Muscle: Lipoma	0/50	(0%)	0/50	(0%)
#Skeletal Muscle: Rhabdomyosarcoma	0/50	(0%)	0/50	(0%)
#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 63

Report Date: 10/04/2007

Route: GAVAGE

Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

		Male		Female
#Skeletal Muscle: Sarcoma				
0)/50 (0%)		0/50	(0%)
#Skin: Basal Cell Adenoma)/50 (0%)		0/50	(0%)
#Skin: Basal Cell Adenoma or Basosquamous Tume	or Benign 0/50 (0%)		0/50	(0%)
40kin.				
#Skin: Basal Cell Adenoma, Basosquamous Tumor Trichoepithelioma	Benign, or			
	0/50 (0%)		1/50	(2%)
#Skin:				
Basal Cell Carcinoma)/50 (0%)		1/50	(2%)
#Skin: Basal Cell Carcinoma or Basosquamous Tun	nor (malignant or			
)/50 (0%)		1/50	(2%)
#Skin: Basal Cell Carcinoma, Basal Cell Adenoma, I	Basosquamous			
Tumor (benign, malignant or NOS), or Tricho	pepithelioma 0/50 (0%)		2/50	(4%)
#Skin: Basal or Sq. Cell Carcinoma, Carcinoma, Bas	sosq. Tumor (M			
or B), Basal Cell Adenoma, Adenoma, Papillo Papilloma, Keratoacanthoma, Trichoepithelio	oma, Sq oma			
	7/50 (14%)		3/50	(6%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Page: 64

		Male		Female
#Skin: Fibroma	6/50	(12%)	1/50	(2%)
#Skin: Fibroma, Fibrosarcoma, Sarcoma, Myxom	а, Мухо	sarcoma, or		
Fibrous Histiocytoma	8/50	(16%)	2/50	(4%)
#Skin: Fibrosarcoma	3/50	(6%)	1/50	(2%)
#Skin: Fibrosarcoma, Sarcoma, Myxosarcoma, o Histiocytoma				
monocytoma	3/50	(6%)	1/50	(2%)
#Skin: Fibrous Histiocytoma	0/50	(0%)	0/50	(0%)
#Skin: Hemangioma	0/50	(0%)	0/50	(0%)
#Skin: Hemangiosarcoma	0/50	(0%)	1/50	(2%)
#Skin: Keratoacanthoma	3/50	(6%)	0/50	(0%)
* Denominator is number of animals with tissues evamin			• • • • • • • • • • • • • • • • • • • •	

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 65

	Male		Female
0/50	(0%)	0/50	(0%)
0/50	(0%)	0/50	(0%)
1/50	(2%)	0/50	(0%)
0/50	(0%)	0/50	(0%)
0/50	(0%)	0/50	(0%)
wannom	na (benign,		
0/50	(0%)	0/50	(0%)
0/50	(0%)	0/50	(0%)
0/50	(0%)	0/50	(0%)
	0/50 1/50 0/50 gnant or 0/50 wannom 0/50	0/50 (0%) 1/50 (2%) 0/50 (0%) 1/50 (0%) 1/50 (0%) 1/50 (0%) 1/50 (0%) 1/50 (0%)	0/50 (0%) 0/50 0/50 (0%) 0/50 1/50 (2%) 0/50 0/50 (0%) 0/50 gnant or NOS) 0/50 (0%) 0/50 wannoma (benign, 0/50 (0%) 0/50 0/50 (0%) 0/50

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 66

		Male		Female
#Skin: Schwannoma Benign	0/50	(00)	0/50	(001)
	0/50	(0%)	0/50	(0%)
#Skin: Schwannoma Malignant	0/50	(0%)	0/50	(0%)
#Skin: Squamous Cell Carcinoma	0/50	(0%)	0/50	(0%)
#Skin: Squamous Cell Carcinoma, Basal Cell Ca Basosquamous Tumor (malignant or NOS	rcinoma S), or Ca 0/50	cinoma (0%)	1/50	(2%)
#Skin: Squamous Cell Papilloma				
- 4	4/50	(8%)	1/50	(2%)
#Skin:				
Squamous Cell Papilloma or Papilloma	4/50	(8%)	1/50	(2%)
#Skin: Squamous Cell Papilloma, Papilloma, Squ		Cell		
Carcinoma or Keratoacanthoma	7/50	(14%)	1/50	(2%)
#Skin:				
Squamous Cell Papilloma, Papilloma, or I		anthoma (14%)	1/50	(2%)
* Denominator is number of animals with tissues exam				

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Page: 67

Report Date: 10/04/2007

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups Route: GAVAGE

Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

		Male		Female
#Skin: Trichoepithelioma	0/50	(0%)	1/50	(2%)
#Skin: Sebaceous Gland: Adenoma	0/50	(0%)	0/50	(0%)
#Skin: Sebaceous Gland: Carcinoma	0/50	(0%)	0/50	(0%)
#Skin: Sebaceous Gland: Carcinoma or Adenoma	0/50	(0%)	0/50	(0%)
#Spinal Cord: Astrocytoma Benign	0/50	(0%)	0/50	(0%)
*Spleen: Fibrosarcoma	0/50	(0%)	0/49	(0%)
*Spleen: Hemangioma	0/50	(0%)	0/49	(0%)
*Spleen: Hemangiosarcoma	1/50	(2%)	0/49	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Page: 68

Report Date: 10/04/2007

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Vehicle: METHYLCELLULOSE

		Male		Female
*Spleen: Leiomyosarcoma	0/50	(0%)	0/49	(0%)
#Stomach, Forestomach: Leiomyosarcoma	0/50	(0%)	0/50	(0%)
#Stomach, Forestomach: Schwannoma Malignant	0/50	(0%)	0/50	(0%)
#Stomach, Forestomach: Squamous Cell Carcinoma	0/50	(0%)	0/50	(0%)
#Stomach, Forestomach: Squamous Cell Carcinoma or Papillon	na Squamou 0/50	is (0%)	1/50	(2%)
#Stomach, Forestomach: Squamous Cell Papilloma	0/50	(0%)	1/50	(2%)
#Stomach, Glandular: Leiomyosarcoma	0/50	(0%)	0/50	(0%)
#Stomach, Glandular: Lipoma	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE
Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Report Date:10/04/2007

Page: 69

Male	Female

		male		remaie
*Testes: Adenoma		(82%)		
*Thymus: Sarcoma	0/49	(0%)	0/50	(0%)
*Thymus: Thymoma Benign	0/49	(0%)	1/50	(2%)
*Thymus: Thymoma Malignant	0/49	(0%)	0/50	(0%)
*Thymus: Thymoma: Benign, Malignant, NOS	0/49	(0%)	1/50	(2%)
*Thyroid Gland: C-Cell: Adenoma	6/50	(12%)	7/50	(14%)
*Thyroid Gland: C-Cell: Carcinoma	2/50	(4%)	0/50	(0%)
*Thyroid Gland: C-Cell: Carcinoma or Adenoma	8/50	(16%)	7/50	(14%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 70

		Male		Female
*Thyroid Gland: Follicular Cell: Adenoma	0/50	(0%)	0/50	(0%)
*Thyroid Gland: Follicular Cell: Carcinoma	0/50	(0%)	0/50	(0%)
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma	0/50	(0%)	0/50	(0%)
#Tissue NOS: Fibrosarcoma	0/50	(0%)	0/50	(0%)
#Tissue NOS: Leiomyoma	0/50	(0%)	0/50	(0%)
#Tissue NOS: Lipoma	0/50	(0%)	0/50	(0%)
#Tissue NOS: Paraganglioma	0/50	(0%)	0/50	(0%)
#Tissue NOS: Sarcoma	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

Page: 71

		Male		Female
	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)
#Tongue: Squamous Cell Carcinoma or Papilloma Sq	uamou	s (0%)	0/50	(0%)
#Tongue: Squamous Cell Papilloma	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)
*Urinary Bladder: Leiomyosarcoma	0/50	(0%)	0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 72

Report Date: 10/04/2007

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: METHYLCELLULOSE

	Male	Female
*Urinary Bladder: Papilloma		
	0/50 (0%)	0/50 (0%)
#Uterus: Adenoma		
		0/50 (0%)
#Uterus: Carcinoma		
Garomonia		0/50 (0%)
#Uterus: Deciduoma Benign		
Deciddollia Belligii		0/50 (0%)
#Uterus:		
Hemangioma		0/50 (0%)
		0.00 (0.0)
#Uterus:		
Hemangiosarcoma		
		0/50 (0%)
#Uterus: Leiomyoma		
		0/50 (0%)
#Uterus:		
Polyp Stromal		13/50 (26%)
		` ,

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: METHYLCELLULOSE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Page: 73

		N	/lale		Female
#Uterus: Sarcoma Stromal				2/50	(4%)
#Uterus: Sarcoma Stromal or Polyp Stromal				15/50	
#Uterus: Schwannoma Malignant				0/50	(0%)
#Vagina: Polyp				 0/50	(0%)
#Vagina: Sarcoma				 0/50	(0%)
#Zymbal's Gland: Adenoma	0/50	(0%)		 0/50	(0%)
#Zymbal's Gland: Carcinoma	0/50	(0%)		 0/50	(0%)
#Zymbal's Gland: Carcinoma or Adenoma	0/50	(0%)		 0/50	(0%)

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Strain: F344

Contract/Lab: All Laboratories Species: RATS

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER

Page: 74

Report Date:10/04/2007

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
				Ma	ale		
Battelle Columbus Laboratory Battelle Columbus Laboratory	058812305 059501107	03/21/01 03/06/02	727 727	50 (3) 50 (3)	26(673) 22(673)	509.7 510.3	Formamide 5-(Hydroxymethyl)-2-furfural
				Fen	nale		
Battelle Columbus Laboratory Battelle Columbus Laboratory	058812305 059501107	03/20/01 03/07/02	730 728	50 (5) 50 (5)	38(703) 31(679)	358.3 332.2	Formamide 5-(Hydroxymethyl)-2-furfural

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Page: 75

Report Date:10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER

			Male				Female	
#All Organs: Benign Tumors								
Overall Incidence	Total	45/50 (90%) 95/100 (95%)	50/50 (100%) Mean 95%	SD 7.07%	Total	43/50 (86%) 89/100 (89%)	46/50 (92%) Mean 89%	SD 4.24%
#All Organs: Malignant Tumors		25/50 (50%)	35/50 (70%)			15/50 (30%)	16/50 (32%)	
Overall Incidence	Total	60/100 (60%)	Mean 60%	SD 14.14%	Total	31/100 (31%)	Mean 31%	SD 1.41%
#All Organs: Malignant and Benign Tu	ımors	48/50 (96%)	50/50 (100%)			49/50 (98%)	48/50 (96%)	
Overall Incidence	Total	98/100 (98%)	Mean 98%	SD 2.83%	Total	97/100 (97%)	Mean 97%	SD 1.41%
#All Organs: Hemangioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Hemangiosarcoma	•••••	0/50 (0%)	0/50 (0%)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Hemangiosarcoma or He	mangioma							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 76

			Male				Female	
#All Organs: Histiocytic Sarcoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Leukemia: Lymphocytic, Mor Undifferentiated	nocytic, M	ononuclear, or			•••••			
		15/50 (30%)	28/50 (56%)			10/50 (20%)	9/50 (18%)	
Overall Incidence	Total	43/100 (43%)	Mean 43%	SD 18.38%	Total	19/100 (19%)	Mean 19%	SD 1.41%
Malignant Lymphoma: Histio or Undifferentiated Cell Type Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs:		` ,				,		
Mesothelioma: Benign		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
All Organs: Mesothelioma: Benign, Malig		3				2/50 (4%)	0/50 (09/)	
Overall Incidence	Total	2/50 (4%) 4/100 (4%)	2/50 (4%) Mean 4%	SD 0%	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%
#All Organs: Mesothelioma: Malignant		2/50 (4%)	2/50 (4%)			2/50 (4%)	0/50 (0%)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 77

			Male				Female	
#All Organs: Osteoma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Osteosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/30 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#All Organs: Osteosarcoma or Osteoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/30 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
*Adrenal Cortex: Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
*Adrenal Cortex: Carcinoma								
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Adrenal Medulla: Ganglioneuroma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 78

			Male				Female	
*Adrenal Medulla: Hemangioma								
3		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Benigl	n	9/50 (18%)	5/50 (10%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	14/100 (14%)	Mean 14%	SD 5.66%	Total	0/100 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Comp	ex	0/50 (00/)	0/50 (00()			0/50 (00/)	0/50 /0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Maligr	ant	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
'Adrenal Medulla:								
Pheochromocytoma: Benig	n, Comple	x, Malignant, NOS 9/50 (18%)	5/50 (10%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	14/100 (14%)	Mean 14%	SD 5.66%	Total	0/50 (0%)	Mean 0%	SD 0%
#Blood Vessel: Osteosarcoma		0/50 (0%)	0/50 (0%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 79

			Male				Female	
#Bone: Chondrosarcoma		0/50 (00/)	0/50 /00/)			0/50 (0%)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Chondrosarcoma or Chondr	oma	0/50 (00()	0/50 (09/)			0/50 (00/)	0/50 (/0//)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Chordoma		4/50 /00()	0/50 (00()			0/50 /00/	0/50 (00()	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Osteoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma		0/50 (00/)	0/50 (00()			0/50 (00/)	4/50 (00()	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
#Bone: Osteosarcoma or Osteoma		0/50 (00()	0/50 (09()			0/50 (00/)	4/50 (20/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

rision. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 80

			Male				Female	
*Brain: Astrocytoma Malignant Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Ependymoma Benign		0/50 (0%)	0/50 (0%)	•••••	•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Glioma Malignant Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Granular Cell Tumor Benign		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
*Brain: Medulloblastoma Mal		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Meningioma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

IOII. OCIZOUI

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 81

			Male				Female	
*Brain: Meningioma: Benign, Ma	lignant, NOS	0.50	0/50 (00)			2/72 (221)	2/72 (224)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Oligodendroglioma Benig		0/50 (00()						
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Oligodendroglioma Malig	nant	0/50 (00()	0/50 (00)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Oligodendroglioma, Glio		ytoma 0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Clitoral/Preputial Gland: Adenoma								
Overall Incidence	Total	1/50 (2%) 6/100 (6%)	5/50 (10%) Mean 6%	SD 5.66%	Total	2/50 (4%) 5/100 (5%)	3/50 (6%) Mean 5%	SD 1.41%
*Clitoral/Preputial Gland: Carcinoma								
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

CISION: OCIZOO7

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 82

			Male				Female	
*Clitoral/Preputial Gland: Carcinoma or Adenoma								
Overell Incidence	Total	2/50 (4%)	6/50 (12%)	CD = 660/	Total	2/50 (4%)	3/50 (6%)	CD 4 440/
Overall Incidence	Total	8/100 (8%)	Mean 8%	SD 5.66%	Total	5/100 (5%)	Mean 5%	SD 1.41%
Clitoral/Preputial Gland: Fibrosarcoma		-1						
	T	0/50 (0%)	0/50 (0%)	00.00/	+	0/50 (0%)	0/50 (0%)	OD 00/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Squamous Cell Papilloma	•••••		- / / / / / / / / / /			- 4		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Ear: Neural Crest Tumor	•••••	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Esophagus: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Eye: Amelanotic Melanoma, Beni	gn							
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 83

			Male				Female	
#Eye: Melanoma Benign Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		` ,				,		
#Eye: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Harderian Gland: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Harderian Gland: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Harderian Gland: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Heart: Schwannoma Benign								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

SIOII. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 84

			Male				Female	
*Heart: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Intestine Large: Colon/Rectum: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
Intestine Large: Colon/Rectum: Carcinoma					•••••			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Intestine Large: Colon/Rectum: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
Intestine Large: Colon/Rectum: Leiomyosarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Intestine Small: Duodenum: Carcinoma					•••••			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 85

Report Date: 10/04/2007

Route: GAVAGE Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
#Intestine Small: Duodenum: Leiomyoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspeci Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspeci Carcinoma or Adenoma	fied:							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Site Unspeci	fied:							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 86

Report Date: 10/04/2007

Route: GAVAGE Vehicle: WATER

#Intestine Small: Site Unspecified: Leiomyosarcoma 0/50 (0%) 0/50 (0%) Overall Incidence Total 0/100 (0%) Mean 0% SD 0% Total 0/100 (0%) Mean 0% *Islets, Pancreatic: Adenoma 2/50 (4%) 2/50 (4%) Overall Incidence Total 4/100 (4%) Mean 4% SD 0% Total 1/50 (2%) 0/50 (0%) Mean 1% *Islets, Pancreatic: Carcinoma 1/50 (2%) 0/50 (0%) Mean 1% Total 1/100 (1%) Mean 1% Overall Incidence Total 3/100 (3%) Mean 3% SD 1.41% Total 0/100 (0%) Mean 0% *Islets, Pancreatic: Carcinoma or Adenoma 3/50 (6%) 4/50 (8%) 1/50 (2%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	
Overall Incidence Total O/100 (0%) O/50 (0%) Mean 0% SD 0% Total O/100 (0%) Mean 0% SD 0% Total O/100 (0%) Mean 0% Mea	
Overall Incidence Total 0/100 (0%) Mean 0% SD 0% Total 0/100 (0%) Mean 0% *Islets, Pancreatic: Adenoma 2/50 (4%) 2/50 (4%) SD 0% Total 1/50 (2%) 0/50 (0%) Overall Incidence Total 4/100 (4%) Mean 4% SD 0% Total 1/100 (1%) Mean 1% *Islets, Pancreatic: Carcinoma 1/50 (2%) 2/50 (4%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Overall Incidence Total 3/100 (3%) Mean 3% SD 1.41% Total 0/100 (0%) Mean 0% *Islets, Pancreatic: Carcinoma or Adenoma 3/50 (6%) 4/50 (8%) 1/50 (2%) 0/50 (0%)	
Adenoma 2/50 (4%) 2/50 (4%) Overall Incidence Total 4/100 (4%) Mean 4% SD 0% Total 1/100 (1%) Mean 1% *Islets, Pancreatic: Carcinoma 1/50 (2%) 2/50 (4%) Overall Incidence Total 3/100 (3%) Mean 3% SD 1.41% Total 0/100 (0%) Mean 0% *Islets, Pancreatic: Carcinoma or Adenoma 3/50 (6%) 4/50 (8%) 1/50 (2%) 0/50 (0%) 1/50 (2%) 0/50 (0%) Mean 0%	SD 0%
Overall Incidence Total 4/100 (4%) Mean 4% SD 0% Total 1/100 (1%) Mean 1% *Islets, Pancreatic: Carcinoma Overall Incidence Total 3/100 (3%) 2/50 (4%) SD 1.41% Total 0/50 (0%) 0/50 (0%) *Islets, Pancreatic: Carcinoma or Adenoma 3/50 (6%) 4/50 (8%) 1/50 (2%) 0/50 (0%)	
Carcinoma 1/50 (2%) 2/50 (4%) Overall Incidence Total 3/100 (3%) Mean 3% SD 1.41% Total 0/100 (0%) Mean 0% *Islets, Pancreatic: Carcinoma or Adenoma 3/50 (6%) 4/50 (8%) 1/50 (2%) 0/50 (0%)	SD 1.41%
Carcinoma 1/50 (2%) 2/50 (4%) Overall Incidence Total 3/100 (3%) Mean 3% SD 1.41% Total 0/100 (0%) Mean 0% *Islets, Pancreatic: Carcinoma or Adenoma 3/50 (6%) 4/50 (8%) 1/50 (2%) 0/50 (0%)	
Overall Incidence Total 3/100 (3%) Mean 3% SD 1.41% Total 0/100 (0%) Mean 0% *Islets, Pancreatic: Carcinoma or Adenoma 3/50 (6%) 4/50 (8%) 1/50 (2%) 0/50 (0%)	
*Islets, Pancreatic: Carcinoma or Adenoma 3/50 (6%) 4/50 (8%) 1/50 (2%) 0/50 (0%)	05.00/
Carcinoma or Adenoma 3/50 (6%) 4/50 (8%) 1/50 (2%) 0/50 (0%)	SD 0%
Overall Incidence Total 7/100 (7%) Mean 7% SD 1.41% Total 1/100 (1%) Mean 1%	SD 1.41%
*Kidney: Pelvis and Transitional Epithelium: Carcinoma	
0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
Overall Incidence Total 0/100 (0%) Mean 0% SD 0% Total 0/100 (0%) Mean 0%	SD 0%
*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma	
0/50 (0%) 0/50 (0%) 0/50 (0%)	
Overall Incidence Total 0/100 (0%) Mean 0% SD 0% Total 0/100 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 87

			Male				Female	
*Kidney: Pelvis and Transition Papilloma	al Epitheliu	m:						
•		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
'Kidney: Renal Tubule: Adenoma		4/50 (00)	0/50 (0%)			0/50 (00)	0/50 (00/)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
ovoran moraonos			Wiedii 170			0,100 (0,0)	Would 070	
*Kidney: Renal Tubule: Carcinoma		0/50 (00()	0/50 (00/)			0/50 (00/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
	Total	0/100 (0%)	iviean 0%	SD 0%	Total	0/100 (0%)	wean 0%	SD 0%
'Kidney: Renal Tubule: Carcinoma or Adenoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	00.007		0/50 (0%)	0/50 (0%)	00.00
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
'Kidney: Renal Tubule: Lipoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Jveran mendence	TULAI	0/100 (0/6)	ivicali 070	JD 0/0	i Ulai	0/100 (0/6)	IVICALI U/0	3D 0/0

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 88

			Male				Female	
*Kidney: Renal Tubule: Liposarcoma		(201)	2/20 (201)				2/52 (22)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Kidney: Renal Tubule: Mesenchymal Tumor Benign		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Nephroblastoma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Kidney: Renal Tubule: Sarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Liver: Cholangiocarcinoma		0/50 (00/)	0/50 (00/)			0/50 /00/	0/50 (00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Liver: Cholangioma		0/50 (0%)	0/50 (0%)	•••••		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

rsion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 89

			Male				Female	
*Liver: Hemangiosarcoma	Tatal	0/50 (0%)	0/50 (0%)	00.00	Total	0/50 (0%)	0/50 (0%)	OD 00/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Adenoma	1	0/50 (0%)	0/50 (0%)			2/50 (4%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	2/100 (2%)	Mean 2%	SD 2.83%
*Liver: Hepatocellular Carcinom	na	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/30 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Carcinom	na or Hepatob	lastoma 0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
'Liver: Hepatocellular Carcinom	na or Hepatoc	ellular Adenoma 0/50 (0%)	0/50 (0%)			2/50 (4%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	2/100 (2%)	Mean 2%	SD 2.83%
Liver: Hepatocellular Carcinom Hepatoblastoma	na, Hepatocell		0/50 (00/)			0/50 (40/)	0/50 (00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		2/50 (4%)	0/50 (0%)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 90

			Male				Female	
*Lung: Alveolar/Bronchiolar Ad	enoma	0/50 (00/)	0/50 (00/)			4/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
Lung: Alveolar/Bronchiolar Ca	rcinoma							
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
Lung: Alveolar/Bronchiolar Ca Adenoma	rcinoma or Al							
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%
ung: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
ung: Sarcoma		0/50 (00/)	0/50 (0%)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
_ung: Squamous Cell Carcinor	ma	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups Route: GAVAGE

Vehicle: WATER

Page: 91

			Male				Female	
#Lymph Node, Mesenteric: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Mammary Gland: Adenoma		4/50 (00/)	0/50 (0%)			0/50 (00()	0/50 (40)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%
#Mammary Gland: Carcinoma		0/50 (00/)	0/50 (0%)			2/52 (49/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%
#Mammary Gland: Carcinoma or Adenoma		1/50 (2%)	0/50 (0%)			2/50 (4%)	2/50 (4%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	4/100 (4%)	Mean 4%	SD 0%
#Mammary Gland: Fibroadenoma								
Overall Incidence	Total	2/50 (4%) 3/100 (3%)	1/50 (2%) Mean 3%	SD 1.41%	Total	33/50 (66%) 62/100 (62%)	29/50 (58%) Mean 62%	SD 5.66%
#Mammary Gland: Fibroma		4/50 (20/)	0/50 (09/)			4/50 /20/)	0/50 (00/)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

FISION. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 92

			Male				Female	
#Mammary Gland: Fibroma, Fibroadenoma o	or Adenoma							
		4/50 (8%)	1/50 (2%)			33/50 (66%)	30/50 (60%)	
Overall Incidence	Total	5/100 (5%)	Mean 5%	SD 4.24%	Total	63/100 (63%)	Mean 63%	SD 4.24%
#Mammary Gland: Fibroma, Fibroadenoma,								
		4/50 (8%)	1/50 (2%)			35/50 (70%)	30/50 (60%)	
Overall Incidence	Total	5/100 (5%)	Mean 5%	SD 4.24%	Total	65/100 (65%)	Mean 65%	SD 7.07%
#Mesentery: Fibrosarcoma		0/50 (0%)	0/50 (00/)			0/50 (0%)	0/50 (0%)	
O	Tatal	` ,	0/50 (0%)	CD 00/	Tatal	` ,	(/	CD 00/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Mesentery: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Mesentery: Osteosarcoma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Mesentery: Rhabdomyosarcoma		0/50 (0%)				0/50 (0%)	0/50 (0%)	
Overell Incidence	Total	\ /	` '	CD 00/	Total	` ,	` '	CD 00/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 93

			Male				Female	
*Nose:								
Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Nose: Chondroma		0/50 (00/)	0/50 (00/)		•••••	0/50 (00)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
	ı olal		iviean 076		ı olal	0/100 (0/6)		
Nose:								
Sarcoma		0/50 (09/)	0/50 (00/)			0/50 (09/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
	ı olal		ivican 070		10tai	0/100 (0/8)		
Nose: Squamous Cell Carcino	oma							
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucosa,								
Papilloma Squamous o		inx, room, omgivaj.						
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucosa, Squamous Cell Carcino	Tongue, Phary						•••••	
		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE
Vehicle: WATER

Page: 94

Report Date: 10/04/2007

Length of Study: CHRONIC

Male Female #Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or **Papilloma** (0%)0/50 (0%)0/50 (0%)1/50 **Overall Incidence** Total 0/100 (0%) Mean 0% SD 0% Total 1/100 (1%) Mean 1% SD 1.41% #Oral Mucosa: Squamous Cell Carcinoma 0/50 (0%)(0%)1/50 0/50 (0%)**Overall Incidence** Total 0/100 (0%) Mean 0% SD 0% Total 1/100 (1%) Mean 1% SD 1.41% **#Oral Mucosa: Squamous Cell Papilloma** 0/50 (0%)(0%)SD 0% SD 0% Overall Incidence Total 0/100 (0%) Mean 0% Total 0/100 (0%) Mean 0% **Granulosa Cell Tumor Benign** 0/50 0/49 (0%)**Overall Incidence** Total 0/99 (0%) Mean 0% SD 0% *Ovary: **Granulosa Cell Tumor Malignant** (0%)Mean 0% SD 0% Overall Incidence Total 0/99 (0%) *Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS 0/50 (0%)**Overall Incidence** Total 0/99 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

on: Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 95

			Male				Female	
*Ovary: Granulosa-Theca Tumor Bo	enign					0/50 (00/)	0/40 (00/)	
Overall Incidence					Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%
*Pancreas: Adenoma								
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pancreas: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Pancreas: Carcinoma or Adenoma		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
Pancreas: Mixed Tumor Benign			- 4					
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Parathyroid Gland: Adenoma								
Overall Incidence	Total	0/48 (0%) 0/97 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/46 (0%) 0/94 (0%)	0/48 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

IOII. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 96

			Male				Female	
#Peripheral Nerve: Schwannoma Malignant								
Conwannonia mangnan	•	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Peripheral Nerve:								
Schwannoma: Benign, M	Malignant, NOS		2/22 (221)			2/22 (22/)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Distal					• • • • • • • • • • • • • • • • • • • •			
Adenoma								
		11/50 (22%)	15/50 (30%)			22/50 (44%)	24/50 (48%)	
Overall Incidence	Total	26/100 (26%)	Mean 26%	SD 5.66%	Total	46/100 (46%)	Mean 46%	SD 2.83%
*Pituitary Gland: Pars Distal								
Carcinoma								
		0/50 (0%)	0/50 (0%)			2/50 (4%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	3/100 (3%)	Mean 3%	SD 1.41%
*Pituitary Gland: Pars Distal	lis or Unspecif	ied Site						
Carcinoma or Adenoma								
		11/50 (22%)	15/50 (30%)			24/50 (48%)	25/50 (50%)	
Overall Incidence	Total	26/100 (26%)	Mean 26%	SD 5.66%	Total	49/100 (49%)	Mean 49%	SD 1.41%
• • • • • • • • • • • • • • • • • • • •					•••••			
*Pituitary Gland: Pars Intern								
*Pituitary Gland: Pars Intern Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 97

Report Date: 10/04/2007

Route: GAVAGE Vehicle: WATER

			Male				Female	
*Pituitary Gland: Pars Intermed	dia:	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overall incluence		` ,				` ,		
*Pituitary Gland: Pars Intermed Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	OD 00/		0/50 (0%)	0/50 (0%)	05 00/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Prostate: Adenoma	•••••	0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%				
*Prostate: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%				
*Salivary Glands: Sarcoma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 /00/	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overall incluence		,				` ,		
*Salivary Glands: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overall incluence		,				` ,		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

d Control Animal Groups

Page: 98

Report Date: 10/04/2007

Route: GAVAGE Vehicle: WATER

			Male				Female	
#Skeletal Muscle: Fibrosarcoma		0/50 (00/)	0/50 (00)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skeletal Muscle: Hemangioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Hemangiosarcoma		0/50 (00/)	0/50 (00/)			0/50 (0%)	0/50 (00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skeletal Muscle: Lipoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or R	habdomyoma		0/50 (09/)			0/50 (09/.)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 99

Report Date: 10/04/2007

			Male				Female	
#Skeletal Muscle: Sarcoma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin:								
Basal Cell Adenoma								
		1/50 (2%)	1/50 (2%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Skin:				• • • • • • • • • • • • • • • • • • • •		•••••	•••••	
Basal Cell Adenoma or B	asosquamou	ıs Tumor Benign						
	•	1/50 (2%)	1/50 (2%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Skin: Basal Cell Adenoma, Bas				•••••	•••••	•••••	•••••	
Trichoepithelioma		(0/=0 //0/)	0 (= 0 (001)	
		1/50 (2%)	1/50 (2%)			2/50 (4%)	0/50 (0%)	
	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%
Overall Incidence	Total	` '	` '	SD 0%	Total	(,	` '	SD 2.83%
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	2/100 (2%)	Mean 2%	SD 2.83%
Overall Incidence #Skin: Basal Cell Carcinoma		2/100 (2%) ´ 	Mean 2% 0/50 (0%)			2/100 (2%)	Mean 2%	
Overall Incidence #Skin: Basal Cell Carcinoma Overall Incidence	Total	2/100 (2%) 0/50 (0%) 0/100 (0%)	Mean 2% 0/50 (0%) Mean 0%	SD 0%	Total	2/100 (2%) 0/50 (0%) 0/100 (0%)	Mean 2% 0/50 (0%) Mean 0%	SD 0%
Overall Incidence #Skin: Basal Cell Carcinoma Overall Incidence #Skin: Basal Cell Carcinoma or I	Total	2/100 (2%) ´ 0/50 (0%) 0/100 (0%)	Mean 2% 0/50 (0%) Mean 0%	SD 0%	Total	2/100 (2%) 0/50 (0%) 0/100 (0%)	Mean 2% 0/50 (0%) Mean 0%	
Overall Incidence #Skin: Basal Cell Carcinoma Overall Incidence #Skin:	Total	2/100 (2%) ´ 0/50 (0%) 0/100 (0%)	Mean 2% 0/50 (0%) Mean 0%	SD 0%	Total	2/100 (2%) 0/50 (0%) 0/100 (0%)	Mean 2% 0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Page: 100

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER

			Male				Female	
Skin: Basal Cell Carcinoma, B Tumor (benign, maligna		Trichoepithelioma						
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%
overall illoidelice		` '				` '		
Skin: Basal or Sq. Cell Carcin or B), Basal Cell Adenor Papilloma, Keratoacanth	oma, Carcinor na, Adenoma,	na, Basosq. Tumor (M Papilloma, Sq pithelioma						
Overall Incidence	Total	10/50 (20%) 14/100 (14%)	4/50 (8%) Mean 14%	SD 8.49%	Total	4/50 (8%) 4/100 (4%)	0/50 (0%) Mean 4%	SD 5.66%
Skin: Fibroma								
Overall Incidence	Total	6/50 (12%) 11/100 (11%)	5/50 (10%) Mean 11%	SD 1.41%	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%
		` ,				,		
Skin: Fibroma, Fibrosarcoma, Fibrous Histiocytoma	Sarcoma, My	xoma, Myxosarcoma, o						
•		7/50 (14%)	6/50 (12%)			1/50 (2%)	1/50 (2%)	
Overall Incidence	Total	13/100 (13%)	Mean 13%	SD 1.41%	Total	2/100 (2%)	Mean 2%	SD 0%
Skin: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
						` ,		,-
Skin: Fibrosarcoma, Sarcoma Histiocytoma	, Myxosarcom	,						
N	Tarat	1/50 (2%)	1/50 (2%)	00.00/	T-1-1	0/50 (0%)	0/50 (0%)	OD 00/
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 101

Report Date: 10/04/2007

Route: GAVAGE Vehicle: WATER

			Male				Female	
#Skin: Fibrous Histiocytoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Hemangioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma		8/50 (16%)	2/50 (4%)			2/50 (4%)	0/50 (0%)	
Overall Incidence	Total	10/100 (10%)	Mean 10%	SD 8.49%	Total	2/100 (2%)	Mean 2%	SD 2.83%
#Skin: Lipoma		0/50 (00/)	0/50 (00()			0/50 (00)	0/50 /00/	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Liposarcoma		0/50 (09/.)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 102

			Male				Female	
#Skin: Neural Crest Tumor		0/50 /00/	0/50 (0%)			0/50 (00/)	0/50 (09/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Neurofibroma or Schw		l						
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or			1/50 (2%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Skin: Neurofibrosarcoma, Ne malignant or NOS)	eurofibroma, or	, ,						
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
Skin: Osteosarcoma	•••••							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
≄Skin: Sarcoma	•••••	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 103

			Male				Female	
#Skin: Schwannoma Benign		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Malignant		1/50 (2%)	1/50 (2%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Skin: Squamous Cell Carcinoma	a	0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcinoma Basosquamous Tumor (m	alignant or N	NOS), or Carcinoma 0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma	or Papillom	a 1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

131011. OCIZOU1

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 104

			·	Ma	ale				Female	
#Skin: Squamous Cell Papilloma, Carcinoma or Keratoacant		Squamous	Cell							
		9/50	(18%)		(6%)	CD 0 400/	Tatal	2/50 (4%)	0/50 (0%)	CD 2.020/
Overall Incidence	Total		(12%)	Mean		SD 8.49%	Total	2/100 (2%)	Mean 2%	SD 2.83%
#Skin: Squamous Cell Papilloma,										
	.,	9/50	(18%)	2/50	(4%)			2/50 (4%)	0/50 (0%)	
Overall Incidence	Total	11/100	(11%)	Mean	11%	SD 9.9%	Total	2/100 (2%)	Mean 2%	SD 2.83%
#Skin: Trichoepithelioma		a /= -	(004)	0.470	(004)			(20)	(20)	
O	T - (- 1	0/50	(0%)		(0%)	OD 00/	T-1-1	1/50 (2%)	0/50 (0%)	00 4 440/
Overall Incidence	Total	0/100 (0%)	Mean	0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Skin: Sebaceous Gland: Adenoma		0/50	(0%)	0/50	(0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (` ,	Mean	` '	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma										
Overall Incidence	Total	0/50 0/100 ((0%)	0/50 Mean	(0%)	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overan incluence	ı Olai	0/100 (U /0)	iviean	U70	3D 0%	ı vıaı	0/100 (0%)	IVIEAN U70	3D 0%
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50	(00/)	0/50	(00/)			0/50 /00/	0/50 (00/)	
Overall Incidence	Total	0/50 0/100 ((0%) 0%)	0/50 Mean	(0%)	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Sveran incluence	ı Ulal	0/100 (U /0)	IVIEdi	U /0	3D 0%	i Ulai	0/100 (0%)	IVICALI U%	3D 0/0

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 105

			Male				Female	
#Spinal Cord: Astrocytoma Benign								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Spleen: Fibrosarcoma		0/50 (00/)	0/50 (0%)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Spleen: Hemangioma		0/50 (00)	0/50 (00/)			0/50 (00)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Spleen: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Spleen: Leiomyosarcoma		0/50 (00)	4/50 (00/)			0/50 (00)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Forestomach: Leiomyosarcoma		0/50 (00/)	0/50 /09/			0/50 (00/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 106

			Male				Female	
#Stomach, Forestomach: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Stomach, Forestomach: Squamous Cell Carcinoma o			0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
#Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Leiomyosarcoma		0/50 (0%)	0/50 (00/)			0/50 (00()	0/50 /00/	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Glandular: Lipoma		0/50 (0%)	0/50 /09/\			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

CISION: COLEGO

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 107

			Male				Female	
*Testes: Adenoma		44/50 (88%)	48/50 (96%)					
Overall Incidence	Total	92/100 (92%)	Mean 92%	SD 5.66%				
*Thymus: Sarcoma		0/49 (0%)	0/48 (0%)			0/48 (0%)	0/48 (0%)	
Overall Incidence	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/96 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Benign		0/49 (0%)	0/48 (0%)			0/48 (0%)	1/48 (2%)	
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	1/96 (1.04%)	Mean 1.04%	SD 1.47%
*Thymus: Thymoma Malignant		0/49 (0%)	0/48 (0%)			0/48 (0%)	0/48 (0%)	
Overall Incidence	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/96 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Malig	nant, NOS							
Overall Incidence	Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/48 (0%) 1/96 (1.04%)	1/48 (2%) Mean 1.04%	SD 1.47%
*Thyroid Gland: C-Cell: Adenoma		6/50 (12%)	1/50 (2%)			5/50 (10%)	11/50 (22%)	
Overall Incidence	Total	7/100 (7%)	Mean 7%	SD 7.07%	Total	16/100 (16%)	Mean 16%	SD 8.49%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 108

Report Date: 10/04/2007

Route: GAVAGE Vehicle: WATER

			Male				Female	
*Thyroid Gland: C-Cell: Carcinoma		0/50 (00/)	0/50 (00/)			0(50 (00))	4/50 (00()	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		6/50 (12%)	1/50 (2%)			5/50 (10%)	12/50 (24%)	
Overall Incidence	Total	7/100 (7%)	Mean 7%	SD 7.07%	Total	17/100 (17%)	Mean 17%	SD 9.9%
*Thyroid Gland: Follicular Cell: Adenoma						0/50 (00/)	4/50 (20/)	
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
*Thyroid Gland: Follicular Cell: Carcinoma		1/50 (2%)	2/50 (4%)			0/50 (0%)	2/50 (4%)	
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	2/100 (2%)	Mean 2%	SD 2.83%
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma		4/50 (004)	0/50 (00/)			0/50 (00/)	0/50 (404)	
Overall Incidence	Total	1/50 (2%) 4/100 (4%)	3/50 (6%) Mean 4%	SD 2.83%	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%
#Tissue NOS: Fibrosarcoma		0/50 (09/)	0/50 (09/)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 109

			Male				Female	
#Tissue NOS: Leiomyoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tissue NOS: Lipoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tissue NOS: Paraganglioma		0/50 (00()	0/50 (00/)		•••••	0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tissue NOS: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tissue NOS: Schwannoma Malignant								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tongue: Liposarcoma					•••••			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER Page: 110

			Male				Female	
#Tongue: Squamous Cell Carcinoma	or Papillon							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tongue: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tooth: Odontoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/30 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/30 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma or Papilloma		0/50 (00/)	0/50 (00()			0/50 (0%)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Urinary Bladder: Leiomyosarcoma		0/50 (00)	0/50 (00()			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 111

Report Date:10/04/2007

Route: GAVAGE Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Urinary Bladder: Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Uterus: Adenoma						0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/100 (0%)	Mean 0%	SD 0%
#Uterus: Carcinoma		•••••		•••••		(00)	2/22 (221)	
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Deciduoma Benign						0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Hemangioma	•••••				•••••			
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Hemangiosarcoma								
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 112

Report Date: 10/04/2007

Route: GAVAGE Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

	Male	Female	
#Uterus: Leiomyoma Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/100 (0%) Mean 0%	SD 0%
#Uterus: Polyp Stromal Overall Incidence	Total	7/50 (14%) 8/50 (16%) 15/100 (15%) Mean 15%	SD 1.41%
#Uterus: Sarcoma Stromal Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/100 (0%) Mean 0%	SD 0%
#Uterus: Sarcoma Stromal or Polyp Stromal Overall Incidence	Total	7/50 (14%) 8/50 (16%) 15/100 (15%) Mean 15%	SD 1.41%
#Uterus: Schwannoma Malignant Overall Incidence	Total	1/50 (2%) 0/50 (0%) 1/100 (1%) Mean 1%	SD 1.41%
#Vagina: Polyp Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/100 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Page: 113 Report Date:10/04/2007

Species: RATS Strain: F344

Length of Study: CHRONIC

Route: GAVAGE Vehicle: WATER

			Male				Female	
#Vagina: Sarcoma						0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Zymbal's Gland: Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma	•••••							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 114

Report Date:10/04/2007

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
				Ma	ale		
Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest	059601105 058800405 059700601 058800603 059700805 059600105	06/04/01 09/13/99 05/25/00 08/06/01 10/01/01 01/18/99	729 729 726 729 729 729	50 (5) 50 (5) 50 (5) 50 (5) 49 (5) 50 (5)	26(676) 31(686) 32(693) 27(680) 27(683) 29(701)	540.9 519.5 529.7 537.2 525.0 534.2	Cumene Divinylbenzene Methyl isobutyl ketone alpha-Methylstyrene Propargyl alcohol Stoddard solvent (type IIC)
				Fen	nale		
Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest	059601105 058800405 059700601 058800603 059700805 059600105	06/04/01 09/13/99 05/25/00 08/06/01 10/01/01 01/18/99	731 731 727 730 730 730	50 (5) 50 (5) 50 (5) 50 (5) 50 (5) 50 (5)	21(674) 33(679) 35(694) 27(647) 29(678) 36(696)	356.9 355.3 365.6 351.9 353.3 363.6	Cumene Divinylbenzene Methyl isobutyl ketone alpha-Methylstyrene Propargyl alcohol Stoddard solvent (type IIC)

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 115

			Male				Female	
All Organs: Benign Tumors								
· ·		48/50 (96%)	49/50 (98%)	50/50 (100%)		44/50 (88%)	43/50 (86%)	44/50 (88%)
		48/50 (96%)	48/49 (98%)	50/50 (100%)		43/50 (86%)	42/50 (84%)	37/50 (74%)
verall Incidence	Total	293/299 (97.99%)	Mean 97.99%	SD 1.79%	Total	253/300 (84.33%)	Mean 84.33%	SD 5.28%
All Organs: Malignant Tumors								
		36/50 (72%)	29/50 (58%)	31/50 (62%)		24/50 (48%)	17/50 (34%)	22/50 (44%)
	-	32/50 (64%)	32/49 (65%)	33/50 (66%)	-	25/50 (50%)	26/50 (52%)	30/50 (60%)
Overall Incidence	Total	193/299 (64.55%)	Mean 64.55%	SD 4.65%	Total	144/300 (48%)	Mean 48%	SD 8.67%
#All Organs: Malignant and Benign T	umors	E0/E0 (4052)	50/50 (400s)	F0/F0 (4000)		F0/F0 (4003)	40/50 (000/)	40/50 (005)
		50/50 (100%) 50/50 (100%)	50/50 (100%) 49/49 (100%)	50/50 (100%) 50/50 (100%)		50/50 (100%) 46/50 (92%)	46/50 (92%) 47/50 (94%)	46/50 (92%) 44/50 (88%)
Overall Incidence	Total	299/299 (100%)	Mean 100%	50/50 (100%) SD 0%	Total	279/300 (93%)	Mean 93%	SD 3.95%
fAll Organs:								
Hemangioma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#All Organs: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overell Incidence	Total	0/50 (0%)	0/49 (0%)	0/50 (0%)	Total	0/50 (0%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Report Date:10/04/2007

Page: 116

			Male				Female	
#All Organs: Hemangiosarcoma or Hem	angioma	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/299 (0.33%)	0/49 (0%) (Mean 0.33%	0/50 (0%) SD 0.82%	Total	1/50 (2%) 3/300 (1%)	2/50 (4%) Mean 1%	0/50 (0%) SD 1.67%
#All Organs: Histiocytic Sarcoma							•••••	
riistiocytic Sarcoma		0/50 (0%)		0/50 (0%)		0/50 (0%)	2/50 (4%)	2/50 (4%)
Overall Incidence	Total	1/50 (2%) 2/299 (0.67%)	0/49 (0%) (Mean 0.67%	0/50 (0%) SD 1.03%	Total	0/50 (0%) 4/300 (1.33%)	0/50 (0%) Mean 1.33%	0/50 (0%) SD 2.07%
Overall incluence	TOLAI	2/299 (0.07%)				4/300 (1.33%)		
#All Organs: Leukemia: Lymphocytic, N Undifferentiated	lonocytic, N	26/50 (52%)		25/50 (50%)		12/50 (24%)	10/50 (20%)	14/50 (28%)
Overall Incidence	Total	26/50 (52%) 145/299 (48.49%)	21/49 (43%) 2 Mean 48.48%	25/50 (50%) SD 4.03%	Total	18/50 (36%) 100/300 (33.33%)	20/50 (40%) Mean 33.33%	26/50 (52%) SD 11.78%
#All Organs: Malignant Lymphoma: His or Undifferentiated Cell Ty		nphocytic, Mixed, NOS,	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) (Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#All Organs: Mesothelioma: Benign	•••••	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
• " " " " " " " " " " " " " " " " " " "	.	0/50 (0%)	0/49 (0%)	0/50 (0%)	-	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 117

			Male		Female	
#All Organs: Mesothelioma: Benign,	, Malignant, NO	 S				
		3/50 (6%)	2/50 (4%) 1/50	(2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 7/299 (2.34%)	1/49 (2%) 0/50 Mean 2.34% SD	(0%) 2.34% Total	0/50 (0%) 1/50 (2%) 1/300 (0.33%) Mean 0.33%	0/50 (0%) SD 0.82%
#All Organs:						
Mesothelioma: Maligna	ınt					
		3/50 (6%)	2/50 (4%) 1/50	(2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 7/299 (2.34%)	1/49 (2%) 0/50 Mean 2.34% SD	(0%) 2.34% Total	0/50 (0%) 0/50 (0%) 0/300 (0%) Mean 0%	0/50 (0%) SD 0%
		,			0/300 (0%) Weath 0%	
#All Organs: Osteoma						
		0/50 (0%)	0/50 (0%) 0/50	(0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%) 0/50	(0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0% SD		0/300 (0%) Mean 0%	SD 0%
#All Organs: Osteosarcoma						
001000011001110		0/50 (0%)	1/50 (2%) 0/50	(0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%) 2/50	(4%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34% SD	1.64% Total	1/300 (0.33%) Mean 0.33%	SD 0.82%
#All Organs: Osteosarcoma or Oste						
	- 	0/50 (0%)	1/50 (2%) 0/50	(0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
	_	0/50 (0%)	1/49 (2%) 2/50	(4%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34% SD	1.64% Total	1/300 (0.33%) Mean 0.33%	SD 0.82%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 118

			Male				Female	
Adrenal Cortex: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	2/50 (4%) 2/300 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.63%
Adrenal Cortex:								
Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	1/50 (2%) SD 0.82%
		` ,				` ,		
Adrenal Medulla: Ganglioneuroma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Normall In aideana	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/49 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Hemangioma							•••••	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
N U	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Benign	•••••				•••••			
i neocinomocytoma Berngii		7/50 (14%)	12/50 (24%)	8/50 (16%)		1/50 (2%)	2/50 (4%)	3/50 (6%)
		8/50 (16%)	8/49 (16%)	5/50 (10%)		1/49 (2%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	48/299 (16.05%)	Mean 16.05%	SD 4.56%	Total	10/299 (3.34%)	Mean 3.34%	SD 1.63%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 119

			Male				Female	
*Adrenal Medulla: Pheochromocytoma Co	omplex							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/5 0/49 (0%) 0/5	` '		1/50 (2%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	` '	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
*Adrenal Medulla:								•••••
Pheochromocytoma Ma	alignant	1/50 (2%) 2/50 (4%)	1/50 (2%) 0/5 3/49 (6%) 1/5	` '		1/50 (2%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	8/299 (2.68%)	` '	SD 2.11%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
*Adrenal Medulla: Pheochromocytoma: B		x, Malignant, NOS 7/50 (14%) 10/50 (20%)	13/50 (26%) 8/5 10/49 (20%) 6/5	50 (16%) 50 (12%)		3/50 (6%) 1/49 (2%)	2/50 (4%) 1/50 (2%)	3/50 (6%) 3/50 (6%)
Overall Incidence	Total	54/299 (18.06%)	Mean 18.07%	SD 5.09%	Total	13/299 (4.35%)	Mean 4.34%	SD 1.96%
#Blood Vessel: Osteosarcoma								
		0/50 (0%)	0/50 (0%) 0/5			0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) 0/5 Mean 0%	50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Bone: Chondrosarcoma								
Gilonal Osai Coma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/5 0/49 (0%) 0/5	` '		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	` '	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 120

			Male		Female
Bone: Chondrosarcoma or Chondro	oma				
		0/50 (0%)	0/50 (0%) 0/50	(0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
	-	0/50 (0%)	0/49 (0%) 0/50	(0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0% SD (0/300 (0%) Mean 0% SD 0%
Bone: Chordoma					
		0/50 (0%)	0/50 (0%) 0/50	(0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/49 (2%) 0/50	(0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34% SD (0.83% Total	0/300 (0%) Mean 0% SD 0%
Bone: Osteoma					
		0/50 (0%)	0/50 (0%) 0/50	(0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/49 (0%) 0/50	(0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0% SD (0/300 (0%) Mean 0% SD 0%
Bone: Osteosarcoma					
Osteosarcoma		0/50 (0%)	1/50 (2%) 0/50	(0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/49 (2%) 2/50	(4%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
verall Incidence	Total	4/299 (1.34%)	Mean 1.34% SD	I.64% Total	1/300 (0.33%) Mean 0.33% SD 0.82%
Bone: Osteosarcoma or Osteoma	•••••				
		0/50 (0%)	1/50 (2%) 0/50	(0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/49 (2%) 2/50	(4%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34% SD	I.64% Total	1/300 (0.33%) Mean 0.33% SD 0.82%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 121

			Male				Female	
Brain: Astrocytoma Malignant								
-		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	.	0/50 (0%)	0/49 (0%)	1/50 (2%)	+	1/50 (2%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
Brain: Ependymoma Benign								
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Brain: Glioma Malignant				•••••		•••••	•••••	
-		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
Brain: Granular Cell Tumor Benign				•••••	•••••	•••••		
Granala. Con Famor Borng		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Brain: Medulloblastoma Mal								
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/50 (2%)	0/49 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 122

			Male				Female	
Brain:								
Meningioma Malignant		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/30 (0%)
verall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Brain:								•••••
Meningioma: Benign, Ma	lignant, NOS							
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Suranall In alidamaa	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma Beni	an							
ongodonarognoma zom	9	0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Brain:	•••••							
Oligodendroglioma Malig	gnant	0/50 (00/)	0/40 (00/)	0/50 (00/)		4/50 (00/)	0/50 (00/)	0/50 (00/)
		0/50 (0%)	0/49 (0%) 0/49 (0%)	0/50 (0%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)
verall Incidence	Total	0/50 (0%) 0/298 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	()	0/50 (0%) Mean 0.33%	0/49 (0%) SD 0.82%
verali ilicidence		, ,				,	iviean 0.33%	SD 0.62%
Brain:								
Oligodendroglioma, Glio	ma, or Astroc		0/49 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		2/50 (4%) 2/50 (4%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	4/299 (1.34%)	Mean 1.33%	SD 2.07%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Clitoral/Preputial Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/48 (0%) 3/49 (6%)	0/50 (0%) 0/50 (0%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 4/50 (8%)	0/50 (0%) 0/49 (0%)
Overall Incidence	Total	3/297 (1.01%)	Mean 1.02%	SD 2.5%	Total	5/299 (1.67%)	Mean 1.67%	SD 3.2%
Clitoral/Preputial Gland: Carcinoma								
		0/50 (0%) 2/50 (4%)	0/48 (0%) 0/49 (0%)	1/50 (2%) 0/50 (0%)		2/50 (4%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 1/49 (2%)
verall Incidence	Total	3/297 (1.01%)	Mean 1%	SD 1.67%	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%
Clitoral/Preputial Gland: Carcinoma or Adenoma								
		0/50 (0%) 2/50 (4%)	0/48 (0%) 3/49 (6%)	1/50 (2%) 0/50 (0%)		3/50 (6%) 1/50 (2%)	0/50 (0%) 4/50 (8%)	1/50 (2%) 1/49 (2%)
verall Incidence	Total	6/297 (2.02%)	Mean 2.02%	SD 2.57%	Total	10/299 (3.34%)	Mean 3.34%	SD 3.01%
litoral/Preputial Gland:			•••••				•••••	•••••
Fibrosarcoma		0/50 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
Clitoral/Preputial Gland: Squamous Cell Papilloma							- 4	- 4
		0/50 (0%) 0/50 (0%)	0/48 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)
		0/00 (0/0)	U/43 (U/U)	0/00 (0/0)		0/00 (0/0)	0/00 (0/0)	U/ TU (U /U)

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 123

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 124

			Male				Female	
Ear: Neural Crest Tumor								
Nediai Crest Tullio		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%
Esophagus: Fibrosarcoma								•••••
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Sec	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
≇Eye: Amelanotic Melanoma, Beι	nign							
,	J	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
≠Eye: Melanoma Benign								
_		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
≇Eye: Schwannoma Malignant					•••••			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/49 (0%)	0/50 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overali incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 125

			Male				Female	
Harderian Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
N	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Harderian Gland: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	0/49 (0%)	0/50 (0%)	.	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Harderian Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Heart: Schwannoma Benign								
3		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/299 (0%)	Mean 0%	SD 0%
Heart: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Page: 126

0/50

0/50

0/50

0/300

Total

(0%)

(0%)

(0%)

(0%)

Mean 0%

0/50

0/50

SD 0%

(0%)

(0%)

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Male Female #Intestine Large: Colon/Rectum: Adenoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%) (0%) 0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 0/50 Mean 0% **Overall Incidence** Total 0/299 (0%) Mean 0% SD 0% 0/300 (0%) SD 0% Total #Intestine Large: Colon/Rectum: Carcinoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/299 (0%) Mean 0% SD 0% 0/300 (0%) Mean 0% SD 0% Total #Intestine Large: Colon/Rectum: Carcinoma or Adenoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) **Overall Incidence** SD 0% SD 0% Total 0/299 (0%) Mean 0% Total 0/300 (0%) Mean 0% #Intestine Large: Colon/Rectum: Leiomyosarcoma (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** 0/299 (0%) SD 0% SD 0% Total Mean 0% Total 0/300 (0%) Mean 0% #Intestine Small: Duodenum: Carcinoma

0/50

0/50

SD 0%

.....

(0%)

(0%)

Total

0/50

0/50

0/299

(0%)

(0%)

(0%)

0/50

0/49

(0%)

(0%)

Mean 0%

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: F344

7

Contract/Lab: All Laboratories Species: RATS

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 127

			Male				Female	
Intestine Small: Duodenum: Leiomyoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
S U. I	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Intestine Small: Jejunum: Leiomyoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overell Incidence	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyosarcoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Hntestine Small: Site Unspecifi Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Intestine Small: Site Unspecifi Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	.	0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Male Female #Intestine Small: Site Unspecified: Leiomyoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%) 0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 0/50 Mean 0% **Overall Incidence** Total 0/299 (0%) Mean 0% SD 0% 0/300 (0%) SD 0% Total #Intestine Small: Site Unspecified: Leiomyosarcoma 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total Mean 0% SD 0% 0/300 (0%) Mean 0% SD 0% 0/299 (0%) Total *Islets, Pancreatic: Adenoma (6%) 1/50 (10%)1/50 (2%)1/50 (2%)(0%)3/50 (6%)(8%) 3/50 (6%)3/50 (6%)1/50 (2%) 1/49 (2%) **Overall Incidence** SD 2.68% SD 1.97% Total 19/299 (6.35%)Mean 6.36% Total 7/299 (2.34%) Mean 2.34% *Islets, Pancreatic: Carcinoma (0%)2/50 (4%)1/50 (2%)4/50 (8%)1/50 0/50 (0%)0/50 1/50 (2%)5/49 (10%)1/50 (2%)0/50 (0%)0/50 (0%)0/49 (0%)**Overall Incidence** 14/299 SD 3.56% (0.33%)SD 0.82% Total (4.68%)Mean 4.7% Total 1/299 Mean 0.33% *Islets, Pancreatic: Carcinoma or Adenoma (14%)3/50 (6%)6/50 (12%)2/50 (0%)4/50 (8%)(18%)4/50 (8%)3/50 (6%)1/50 (2%)1/49 (2%)**Overall Incidence** Total 33/299 (11.04%)Mean 11.06% SD 4.63% Total 8/299 (2.68%)Mean 2.67% SD 2.06%

Page: 128

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

1: Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 129

			Male				Female	
Kidney: Pelvis and Transi Carcinoma	itional Epitheliu	m:						
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Transi Carcinoma or Adenom	tional Epitheliu							
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Transi Papilloma		m:	•••••					
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Adenoma			•••••	•••••		•••••		
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/298 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 130

			Male				Female	
Kidney: Renal Tubule: Carcinoma or Adenoma								
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	0/49 (0%)	1/50 (2%)	-	0/49 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	3/299 (1%)	Mean 1%	SD 1.67%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	0/49 (0%)	0/50 (0%)	-	0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Lipoma				•••••				
·		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Liposarcoma			•••••	•••••			•••••	
·		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Mesenchymal Tumor Beniç								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Normall Institutes	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 131

			Male				Female	
Kidney: Renal Tubule: Nephroblastoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	0/49 (0%)	0/50 (0%)	.	0/49 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Liver: Cholangiocarcinoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
_iver: Cholangioma						•••••		
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Liver: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 132

			Male				Female	
*Liver: Hepatocellular Adenoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinom	a							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/299 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Carcinom	a or Hepatob	lastoma						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/299 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Carcinom	a or Hepatoc	ellular Adenoma						
·	•	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/299 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinom Hepatoblastoma	a, Hepatocell	ular Adenoma, or			•••••			
parameteria		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/299 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 133

			Male				Female	
Lung: Alveolar/Bronchiolar A	denoma							
Aiveolai/biolicillolai A	denoma	1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	3/299 (1%)	Mean 1.01%	SD 1.1%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
Lung: Alveolar/Bronchiolar C	Carcinoma							
		1/50 (2%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/49 (0%)
verall Incidence	Total	3/299 (1%)	Mean 1%	SD 1.1%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
Lung: Alveolar/Bronchiolar C Adenoma	Carcinoma or Al							
		2/50 (4%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
verall Incidence	Total	0/50 (0%)	1/49 (2%) Mean 2.01%	2/50 (4%) SD 1.79%	Total	0/50 (0%)	1/50 (2%) Mean 1%	0/49 (0%) SD 1.1%
	Total	6/299 (2.01%)	wean 2.01%	30 1.79%	ı olal	3/299 (1%)		
Lung: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T	0/50 (0%)	0/49 (0%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Lung: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 134

			Male	Female
Lung: Squamous Cell Carcinoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/50 (2%)	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.33% SD 0.82%	Total 0/299 (0%) Mean 0% SD 0%
Lymph Node, Mesenteric: Sarcoma				
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33% SD 0.82%	Total 0/300 (0%) Mean 0% SD 0%
Mammary Gland: Adenoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	2/49 (4%) 0/50 (0%)	0/50 (0%) 3/50 (6%) 0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.68% SD 1.67%	Total 3/300 (1%) Mean 1% SD 2.45%
Mammary Gland: Carcinoma				
		2/50 (4%)	1/50 (2%) 2/50 (4%)	10/50 (20%) 3/50 (6%) 5/50 (10%)
		0/50 (0%)	0/49 (0%) 0/50 (0%)	3/50 (6%) 7/50 (14%) 4/50 (8%)
verall Incidence	Total	5/299 (1.67%)	Mean 1.67% SD 1.97%	Total 32/300 (10.67%) Mean 10.67% SD 5.47%
Mammary Gland: Carcinoma or Adenoma				
		2/50 (4%)	1/50 (2%) 2/50 (4%)	10/50 (20%) 3/50 (6%) 5/50 (10%)
		0/50 (0%)	2/49 (4%) 0/50 (0%)	3/50 (6%) 10/50 (20%) 4/50 (8%)
Overall Incidence	Total	7/299 (2.34%)	Mean 2.35% SD 1.98%	Total 35/300 (11.67%) Mean 11.67% SD 6.62%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 135

			Male				Female	
Mammary Gland: Fibroadenoma								
		0/50 (0%)	1/50 (2%)	2/50 (4%)		24/50 (48%)	20/50 (40%)	22/50 (44%)
		1/50 (2%)	1/49 (2%)	3/50 (6%)		22/50 (44%)	26/50 (52%)	19/50 (38%)
verall Incidence	Total	8/299 (2.68%)	Mean 2.67%	SD 2.06%	Total	133/300 (44.33%)	Mean 44.33%	SD 5.13%
Mammary Gland: Fibroma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Mammary Gland: Fibroma, Fibroadenor	na or Adenoma							
		0/50 (0%)	1/50 (2%)	2/50 (4%)		24/50 (48%)	20/50 (40%)	22/50 (44%)
	-	1/50 (2%)	3/49 (6%)	3/50 (6%)	-	22/50 (44%)	28/50 (56%)	19/50 (38%)
verall Incidence	Total	10/299 (3.34%)	Mean 3.35%	SD 2.45%	Total	135/300 (45%)	Mean 45%	SD 6.42%
Mammary Gland: Fibroma, Fibroadenor	na. Carcinoma. o	r Adenoma						
r ibroma, r ibroadonor	na, caronioma, c	2/50 (4%)	1/50 (2%)	4/50 (8%)		31/50 (62%)	22/50 (44%)	26/50 (52%)
		1/50 (2%)	3/49 (6%)	3/50 (6%)		24/50 (48%)	31/50 (62%)	23/50 (46%)
verall Incidence	Total	14/299 (4.68%)	Mean 4.69%	SD 2.44%	Total	157/300 (52.33%)	Mean 52.33%	SD 7.94%
Mesentery: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 136

			Male				Female	
Mesentery: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Mesentery: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Mesentery: Rhabdomyosarcoma						•••••		•••••
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Nose: Adenoma					•••••	•••••		
Adonoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/49 (0%)	0/49 (0%)	0/49 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/297 (0%)	Mean 0%	SD 0%
Nose: Chondroma					••••			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/297 (0.34%)	Mean 0.33%	SD 0.82%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 137

			Male				Female	
Nose:								
Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/297 (0%)	Mean 0%	SD 0%
Nose:	•••••					•••••	•••••	
Squamous Cell Carcin	oma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	0/49 (0%)	0/50 (0%)	.	0/49 (0%)	0/49 (0%)	0/49 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/297 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucosa Papilloma Squamous		nx, Tooth, Gingiva):						
•	•	0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucosa Squamous Cell Carcin		nx, Tooth, Gingiva):	•••••	•••••				•••••
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucosa Squamous Cell Carcin Papilloma		nx, Tooth, Gingiva):						
•		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 138

				M	ale						Fema	ale		
Oral Mucosa:														
Squamous Cell Carcinoma		0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
			(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
verall Incidence	Total	1/299 (0.3	.33%)	Mear	0.33%	SD	0.82%	Total	0/300	(0%)	Mear	1 0%	SD	0%
Oral Mucosa: Squamous Cell Papilloma			•••••	••••••					•••••				•••••	
			(0%)	0/50	(0%)	0/50	(0%)		0/50	` '	0/50	(0%)	0/50	(0%)
			(0%)	0/49	(0%)	0/50	(0%)		0/50	` ,	0/50	(0%)	0/50	(0%)
verall Incidence	Total	0/299 (0%	%)	Mear	1 0%	SD	0%	Total	0/300	(0%)	Mear	1 0%	SD	0%
verall Incidence								Total	0/50 0/50 0/300	(0%) (0%) (0%)	0/50 0/50 Mear	(0%) (0%) n 0%	0/50 0/50 SD	(0%) (0%) 0%
Ovary: Granulosa Cell Tumor Mali	gnant													
	J								0/50	(0%)	0/50	(0%)	0/50	(0%)
									1/50	(2%)	0/50	(0%)	0/50	(0%)
verall Incidence								Total	1/300	(0.33%)	Mear	0.33%	SD	0.82%
Ovary: Granulosa Cell Tumor: Ber			•••••					•••••						
									0/50	(0%)	0/50	(0%)	0/50	(0%)
									1/50	(2%)	0/50	(0%)	0/50	(0%)
verall Incidence								Total	1/300	(0.33%)		0.33%	0.0	0.82%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Male Female *Ovary: **Granulosa-Theca Tumor Benign** 0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%) 0/50 0/50 (0%)0/50 **Overall Incidence** Total 0/300 (0%) Mean 0% SD 0% *Pancreas: Adenoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/49 (0%)**Overall Incidence** Total 0/299 (0%) Mean 0% SD 0% 0/299 (0%) Mean 0% SD 0% Total *Pancreas: Carcinoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)(0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/49 (0%) **Overall Incidence** SD 0% SD 0% Total 0/299 (0%) Mean 0% Total 0/299 Mean 0% *Pancreas: Carcinoma or Adenoma (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/49 (0%)**Overall Incidence** 0/299 (0%) SD 0% SD 0% Total Mean 0% Total 0/299 (0%) Mean 0% *Pancreas: **Mixed Tumor Benign** 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)(4%) 0/50 (0%)2/49 0/50 (0%)0/50 (0%)0/50 (0%)0/49 (0%)**Overall Incidence** Total 2/299 (0.67%)Mean 0.68% SD 1.67% Total 0/299 Mean 0% SD 0%

Page: 139

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Page: 140

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Male Female *Parathyroid Gland: Adenoma 0/45 (0%)0/46 0/49 (0%)0/49 (0%)0/49 (0%)0/46 (0%)(0%) 0/47 (0%)0/47 (0%)0/50 (0%)0/43 (0%)0/49 (0%)0/49 **Overall Incidence** Total 0/284 (0%) Mean 0% SD 0% 0/285 (0%) Mean 0% SD 0% Total **#Peripheral Nerve: Schwannoma Malignant** 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total Mean 0% SD 0% 0/300 (0%) Mean 0% SD 0% 0/299 (0%) Total **#Peripheral Nerve:** Schwannoma: Benign, Malignant, NOS 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) **Overall Incidence** SD 0% SD 0% Total 0/299 (0%) Mean 0% Total 0/300 (0%) Mean 0% *Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma (49%)36/50 (72%)36/50 (72%)35/50 (70%)(70%)37/50 (74%)34/49 (69%)36/49 (73%)38/50 (76%) 35/50 (70%)30/50 (60%)27/49 (55%)**Overall Incidence** 215/298 (72.15%) Mean 72.14% SD 2.4% SD 9.87% Total Total 188/298 (63.09%)Mean 63.01% *Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma (0%)(0%)(0%)0/50 (0%)0/50 (0%)

1/50

(2%)

SD 0.82%

.....

0/50

1/298

Total

(0%)

(0.34%)

0/50

(0%)

Mean 0.33%

0/49

(0%)

SD 0.82%

0/50

0/49

(0%)

Mean 0.33%

Total

0/49

1/298

(0%)

(0.34%)

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 141

			Male				Female	
Pituitary Gland: Pars Dis Carcinoma or Adenom		ied Site:						
		36/50 (72%)	36/50 (72%)	35/50 (70%)		36/50 (72%)	37/50 (74%)	24/49 (49%)
		34/49 (69%)	36/49 (73%)	39/50 (78%)		35/50 (70%)	30/50 (60%)	27/49 (55%)
verall Incidence	Total	216/298 (72.48%)	Mean 72.48%	SD 3.09%	Total	189/298 (63.42%)	Mean 63.35%	SD 10.18%
Pituitary Gland: Pars Inte Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/49 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%	Total	0/298 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Inte Carcinoma	ermedia:		•••••					
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Inte	ermedia:		•••••					
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/49 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%	Total	0/298 (0%)	Mean 0%	SD 0%
Prostate: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%)	0/49 (0%)	0/50 (0%)				
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 142

			Male				Female	
*Prostate: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)				
Overall Incidence	Total	0/299 (0%)	0/49 (0%) Mean 0%	SD 0%				
'Salivary Glands: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Salivary Glands: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	+	0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
S	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Hemangioma						•••••		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overell Institutes	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 143

			Male				Female	
Skeletal Muscle: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	+	0/50 (0%)	0/49 (0%)	0/50 (0%)	.	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Lipoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Rhabdomyosarcoma				•••••				
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Skeletal Muscle: Rhabdomyosarcoma or l	Phahdomyom	·						
Masdomy osar coma or i	Kilabaolilyolil	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Skeletal Muscle: Sarcoma					•••••			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Normall Implication	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Report Date: 10/04/2007

Page: 144

			Male				Female	
#Skin: Basal Cell Adenoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overell Incidence	Total	1/50 (2%)	1/49 (2%) Mean 1.01%	0/50 (0%) SD 1.1%	Total	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overall Incidence	Total	3/299 (1%)	Wean 1.01%	SD 1.1%	Total	0/300 (0%)	Mean 0%	SD 0%
Skin:								
Basal Cell Adenoma or I	Basosquamou			- / / / / / / / / / /			- ()	
		1/50 (2%) 1/50 (2%)	0/50 (0%) 1/49 (2%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/50 (2%) 3/299 (1%)	1/49 (2%) Mean 1.01%	0/50 (0%) SD 1.1%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
overall incidence	Total	3/299 (1%)	Mean 1.01%	SD 1.1%	Total	0/300 (0%)	wean 0%	SD 0%
≮Skin: Basal Cell Adenoma, Ba Trichoepithelioma Overall Incidence	sosquamous Total	Tumor Benign, or 1/50 (2%) 1/50 (2%) 4/299 (1.34%)	1/50 (2%) 1/49 (2%) Mean 1.34%	0/50 (0%) 0/50 (0%) SD 1.04%	Total	0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 1/50 (2%) Mean 0.33%	0/50 (0%) 0/50 (0%) SD 0.82%
Skin: Basal Cell Carcinoma								
Basai Celi Calcillollia		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma or NOS)	Basosquamo	, ,						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ion: Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 145

			Male				Female	
∜Skin: Basal Cell Carcinoma, Tumor (benign, maligr		Trichoepithelioma	4/50 (00())	0/50 /00/		0/50 (00()	0/50 (00()	0/50 (00/)
		1/50 (2%) 1/50 (2%)	1/50 (2%) 1/49 (2%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34%	SD 1.04%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Skin: Basal or Sq. Cell Carci or B), Basal Cell Aden Papilloma, Keratoacan	oma, Adenoma,	Papilloma, Sq	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	5/49 (10%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
overall Incidence	Total	15/299 (5.02%)	Mean 5.03%	SD 4.2%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
Skin: Fibroma		3/50 (6%)	5/50 (10%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		4/50 (8%)	3/49 (6%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
verall Incidence	Total	21/299 (7.02%)	Mean 7.02%	SD 2.09%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
Skin:		xoma, Myxosarcoma, o						
•		3/50 (6%)	6/50 (12%)	5/50 (10%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		5/50 (10%)	4/49 (8%)	3/50 (6%)		1/50 (2%)	2/50 (4%)	0/50 (0%)
verall Incidence	Total	26/299 (8.7%)	Mean 8.69%	SD 2.41%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%
Skin: Fibrosarcoma		0(50 (00))	0/50 (00/)	4/50 (00/)		0(50 (00))	0/50 (00/)	0/50 (00)
		0/50 (0%) 1/50 (2%)	0/50 (0%) 1/49 (2%)	1/50 (2%) 1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Verall Incidence	Total	4/299 (1.34%)	Mean 1.34%	SD 1.04%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
	. 0.31			32	. 0.0.	500 (0.0070)		02 0.0270

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 146

			Male				Female	
#Skin: Fibrosarcoma, Sarcoma Histiocytoma	, Myxosarcom	a, or Fibrous						
		0/50 (0%) 1/50 (2%)	1/50 (2%) 1/49 (2%)	1/50 (2%) 1/50 (2%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	5/299 (1.67%)	Mean 1.67%	SD 0.82%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
#Skin: Fibrous Histiocytoma								
•		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma		0/50 (00)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00()	0/50 (00/)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma			(20)	(201)			(00)	(201)
		4/50 (8%) 1/50 (2%)	0/50 (0%) 4/49 (8%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	9/299 (3.01%)	Mean 3.03%	SD 3.99%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

(1**51011.** OCt2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 147

			Male				Female	
Skin:								
Lipoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/49 (4%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	6/299 (2.01%)	Mean 2.01%	SD 1.81%	Total	0/300 (0%)	Mean 0%	SD 0%
Skin: Liposarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Neural Crest Tumor								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Skin: Neurofibroma or Schw	annoma benign							
nour on bronna or cons	amioma bomgn	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin: Neurofibrosarcoma or		malignant or NOS)						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overell Incidence	Total	0/50 (0%)	1/49 (2%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups Report Date: 10/04/2007 Route: INHALATION Vehicle: AIR

Page: 148

			Male				Female	
#Skin: Neurofibrosarcoma, Neuro malignant or NOS)	fibroma, or	Schwannoma (benign,						
,		0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	` '	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin: Osteosarcoma								
		0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	` '	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Sarcoma								
		0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	` '	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Benign		0/50 (00()	0/50 (00/)	0/50 (00/)		0/50 (0%)	0/50 (00/)	0/50 (00/)
		0/50 (0%) 0/50 (0%)	` ,	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
	10141	0/299 (0/6)	ivicali 070			1/300 (0.33/6)	ivicali 0.3376	
#Skin: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	` ,	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%
	. 0.0.	200 (0.0070)		22 0.00,0		2.300 (0.0)		== 0,0

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 149

				M	ale						Fema	ale		
#Skin:														
Squamous Cell Carcino	ma	0/50	(00()	0/50	(00()	0/50	(00/)		0/50	(00()	0/50	(00()	0/50	(00/)
			(0%) (0%)	0/50 0/49	(0%) (0%)	0/50 0/50	(0%) (0%)		0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence	Total	0/299 (09	` '	Mear	` '	SD	` ,	Total		(0%)	0/30 Mear	` '	SD	` '
		0,200 (0,								(070)		. 070		
Skin:														
Squamous Cell Carcino	ma, Basal Cell	Carcinoma,												
Basosquamous Tumor (inoma											
			(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
			(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299 (09	%)	Mear	1 0%	SD	0%	Total	0/300	(0%)	Mear	n 0%	SD	0%
Older.				•••••	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	•••••		• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •	
#Skin: Squamous Cell Papillon	12													
Squamous Cen Fapinon	ıa	0/50	(0%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
			(0%)	0/49	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total		.67%)		0.67%		1.03%	Total	0/300	` '	Mear	` '	SD	` '
1014														
Skin: Squamous Cell Papillon	a or Panillom	•												
Squamous Cen Fapinon	ia oi Fapilioili		(0%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
			(0%)	0/49	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total		.67%)		0.67%		1.03%	Total	0/300	` '	Mear	` '	SD	` '
		`	,			_				,				
#Skin:														
Squamous Cell Papillon		Squamous C	ell											
Carcinoma or Keratoaca	intnoma	4/50	(8%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
			(8%) (2%)	4/49	(2%) (8%)	0/50 1/50	(0%) (2%)		0/50	(0%)	0/50 0/50	(0%) (0%)	0/50 1/50	(0%) (2%)
Overall Incidence	Total		` '		`'		3.49%	Total		` '		` ,		0.82%
Overali incidence	rotai	11/299 (3	3.68%)	Mear	1 3.69%	20	3.49%	Total	1/300	(0.33%)	iviear	า 0.33%	20	0.82%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Male Female #Skin: Squamous Cell Papilloma, Papilloma, or Keratoacanthoma 1/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)4/49 (8%)(2%)0/50 (0%)0/50 (0%)1/50 (2%)1/50 1/300 (0.33%) **Overall Incidence** 11/299 (3.68%) Mean 3.69% SD 3.49% Mean 0.33% SD 0.82% Total Total #Skin: Trichoepithelioma 0/50 (0%)1/50 0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%) **Overall Incidence** Total Mean 0.33% SD 0.82% 1/300 (0.33%) Mean 0.33% SD 0.82% 1/299 (0.33%)Total #Skin: Sebaceous Gland: Adenoma 1/50 (0%)(2%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)(2%)3/50 (6%) 0/50 (0%)0/50 (0%)0/50 (0%) **Overall Incidence** SD 2.19% SD 0% Total 6/299 (2.01%) Mean 2.01% Total 0/300 Mean 0% #Skin: Sebaceous Gland: Carcinoma (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** 0/299 SD 0% SD 0% Total Mean 0% Total 0/300 (0%) Mean 0% #Skin: Sebaceous Gland: Carcinoma or Adenoma (2%)(0%)(2%)0/50 (0%)(0%)0/50 (0%)(2%)3/50 (6%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 6/299 (2.01%)Mean 2.01% SD 2.19% Total 0/300 Mean 0% SD 0%

Page: 150

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 151

			Male				Female	
Spinal Cord: Astrocytoma Benign		0(50 (004)	0/50 (00/)	0/50 (00/)		0(50 (00))	0/50 (00/)	0/50 (00)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		` ,				` ,		
Spleen: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Neveral Incidence	Total	0/50 (0%)	0/49 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/49 (0%) SD 0%
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Spleen: Hemangioma			•••••	•••••		•••••		
3		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%
Spleen: Hemangiosarcoma	•••••							
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/49 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
Spleen: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Neveral Incidence	Total	1/50 (2%)	0/49 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Report Date: 10/04/2007

Page: 152

			Male				Female	
Stomach, Forestomach: Leiomyosarcoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Schwannoma Malignant					•••••	•••••		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Squamous Cell Carcinoma		0.70	(201)	0.70		- ()	- (- (a)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T-(-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Squamous Cell Carcinoma c	or Papillon	na Squamous 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Squamous Cell Papilloma			0/50 (0%/)	0/50 (00/)		0/50 (00/)	0/50 (09/)	0/50 (09/)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Torum moluence	iotai	0/200 (0/0)	Wicaii 070	05 070	rotar	0,000 (0,0)	WCall 070	OD 070

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 153

			Male				Female	
#Stomach, Glandular: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	0/49 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Stomach, Glandular: Lipoma	•••••				•••••			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Testes: Adenoma								
		36/50 (72%)	38/50 (76%)	42/50 (84%)				
Overall Incidence	Total	33/50 (66%) 228/299 (76.25%)	38/49 (78%) Mean 76.26%	41/50 (82%) SD 6.6%				
*Thymus:		•••••				•••••		
Sarcoma		0/49 (0%)	0/48 (0%)	0/49 (0%)		0/48 (0%)	0/45 (0%)	0/47 (0%)
Overall Incidence	Total	0/42 (0%) 0/284 (0%)	0/47 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/283 (0%)	0/46 (0%) Mean 0%	0/47 (0%) SD 0%
*Thymus: Thymoma Benign		0/49 (0%)	0/48 (0%)	0/49 (0%)		0/48 (0%)	0/45 (0%)	0/47 (0%)
		0/49 (0%)	1/47 (2%)	0/49 (0%)		1/50 (2%)	0/45 (0%)	0/47 (0%)
Overall Incidence	Total	1/284 (0.35%)	Mean 0.35%	SD 0.87%	Total	1/283 (0.35%)	Mean 0.33%	SD 0.82%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 154

			Male				Female	
Thymus: Thymoma Malignant								
Thymoma Mangham		0/49 (0%)	0/48 (0%)	0/49 (0%)		0/48 (0%)	0/45 (0%)	0/47 (0%)
		0/42 (0%)	0/47 (0%)	1/49 (2%)		0/50 (0%)	0/46 (0%)	0/47 (0%)
verall Incidence	Total	1/284 (0.35%)	Mean 0.34%	SD 0.83%	Total	0/283 (0%)	Mean 0%	SD 0%
Thymus:							•••••	
Thymoma: Benign, Maligna	ant, NOS							
_		0/49 (0%)	0/48 (0%)	0/49 (0%)		0/48 (0%)	0/45 (0%)	0/47 (0%)
		0/42 (0%)	1/47 (2%)	1/49 (2%)		1/50 (2%)	0/46 (0%)	0/47 (0%)
Overall Incidence	Total	2/284 (0.7%)	Mean 0.69%	SD 1.08%	Total	1/283 (0.35%)	Mean 0.33%	SD 0.82%
Thyroid Gland: C-Cell: Adenoma			•••••			•••••		
		3/50 (6%)	2/50 (4%)	1/50 (2%)		3/50 (6%)	0/50 (0%)	3/50 (6%)
		3/49 (6%)	4/49 (8%)	7/50 (14%)		2/50 (4%)	3/50 (6%)	3/49 (6%)
Overall Incidence	Total	20/298 (6.71%)	Mean 6.71%	SD 4.14%	Total	14/299 (4.68%)	Mean 4.69%	SD 2.44%
Thyroid Gland: C-Cell: Carcinoma								
		1/50 (2%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/49 (0%)	3/49 (6%)	2/50 (4%)		1/50 (2%)	2/50 (4%)	1/49 (2%)
overall Incidence	Total	9/298 (3.02%)	Mean 3.02%	SD 2.13%	Total	6/299 (2.01%)	Mean 2.01%	SD 1.27%
Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		3/50 (6%)	3/50 (6%)	3/50 (6%)		3/50 (6%)	1/50 (2%)	4/50 (8%)
	-	3/49 (6%)	7/49 (14%)	9/50 (18%)		3/50 (6%)	5/50 (10%)	4/49 (8%)
Overall Incidence	Total	28/298 (9.4%)	Mean 9.4%	SD 5.35%	Total	20/299 (6.69%)	Mean 6.69%	SD 2.75%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

n: Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 155

			Male	Female
Thyroid Gland: Follicular Cell: Adenoma				
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
Overall Incidence	Total	0/49 (0%) 2/298 (0.67%)	1/49 (2%) 0/50 (0%) Mean 0.67% SD 1.04%	0/50 (0%) 0/50 (0%) 0/49 (0%) Total 1/299 (0.33%) Mean 0.33% SD 0.82%
		, ,		10tal 1/233 (0.55%) Wealt 0.55% 3D 0.02%
Thyroid Gland: Follicular Cell: Carcinoma				
		2/50 (4%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Normall Impidance	Tatal	0/49 (0%)	0/49 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
verall Incidence	Total	4/298 (1.34%)	Mean 1.33% SD 1.63%	Total 0/299 (0%) Mean 0% SD 0%
Thyroid Gland: Follicular Cell: Carcinoma or Adenoma				
		2/50 (4%)	1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
		0/49 (0%)	1/49 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
verall Incidence	Total	6/298 (2.01%)	Mean 2.01% SD 1.27%	Total 1/299 (0.33%) Mean 0.33% SD 0.82%
Tissue NOS: Fibrosarcoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0% SD 0%	Total 0/300 (0%) Mean 0% SD 0%
Tissue NOS: Leiomyoma				
20.0.119 01114		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0% SD 0%	Total 0/300 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

FISION. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 156

			Male				Female	
Tissue NOS: Lipoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	.	0/50 (0%)	1/49 (2%)	0/50 (0%)	+	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%
Tissue NOS: Paraganglioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Tissue NOS: Sarcoma			•••••	•••••				
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Tissue NOS: Schwannoma Malignant			•••••	•••••				
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Tongue: Liposarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
N	T - (- 1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Page: 157

			Male				Female	
Tongue:	- · · ·							
Squamous Cell Carcinom	a or Papillon		4/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
S	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	` ,	` '	0/50 (0%)
verall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
Tongue: Squamous Cell Papilloma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
#Tooth: Odontoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Urinary Bladder: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Urinary Bladder: Carcinoma or Papilloma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 1/49 (2%)
Overell Incidence	Total	` ,	` '	0/50 (0%)	Total	0/50 (0%)	` '	(/
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups
Route: INHALATION

Report Date:10/04/2007

Page: 158

Species: RATS Strain: F344

Length of Study: CHRONIC

Vehicle: AIR

			Male				Female	
*Urinary Bladder: Leiomyosarcoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	1/49 (2%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	2/298 (0.67%)	Mean 0.67%	SD 1.04%
*Urinary Bladder: Papilloma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
O	T-1-1	0/50 (0%)	0/49 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/49 (0%)	1/49 (2%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%
#Uterus: Adenoma								
						0/50 (0%)	1/50 (2%)	0/50 (0%)
						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#! Hamia			•••••					
#Uterus: Carcinoma								
						0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/300 (0%)	Mean 0%	SD 0%
#Uterus: Deciduoma Benign						2/52 (22/)	2/22 (221)	2/22 (224)
						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overell Incidence					Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/300 (0%)	Mean 0%	SD 0%

......

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 159

Report Date: 10/04/2007

(2%)

SD 1.1%

1/50

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Uterus: Hemangioma 0/50 (0%)0/50 (0%)0/50 (0%)(2%) (0%)(0%)1/50 0/50 0/50 **Overall Incidence** Total 1/300 (0.33%) Mean 0.33% SD 0.82% #Uterus: Hemangiosarcoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%) 0/50 (0%)**Overall Incidence** Total 1/300 (0.33%) Mean 0.33% SD 0.82% #Uterus: Leiomyoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) **Overall Incidence** SD 0% Total 0/300 Mean 0% **#Uterus: Polyp Stromal** (24%)13/50 (26%)(18%)(20%) 6/50 (12%)12/50 (24%)10/50 **Overall Incidence** (20.67%)Mean 20.67% SD 5.16% Total 62/300 **#Uterus:** Sarcoma Stromal 0/50 (0%)

.....

0/50

3/300 (1%)

Total

(0%)

0/50

(0%)

Mean 1%

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Report Date:10/04/2007

Page: 160

			Male				Female	
#Uterus: Sarcoma Stromal or Po	olyp Stromal							
						14/50 (28%) 6/50 (12%)	9/50 (18%) 12/50 (24%)	13/50 (26%) 11/50 (22%)
Overall Incidence					Total	65/300 (21.67%)	Mean 21.67%	SD 5.85%
#Uterus:			•••••					
Schwannoma Malignar	ıt					0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Vagina:			•••••					
Polyp						2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/50 (0%) 2/300 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.63%
#Vagina:			•••••	•••••				
Sarcoma						0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence					Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
#Zymbal's Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

......

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

4 40 1 400

Contract/Lab: All Laboratories Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Report Date:10/04/2007

Page: 161

			Male		Female			
#Zymbal's Gland: Carcinoma		1/50 (2%) 0/50 (0%)		,	(2%) 1/50 (2%) 0/50 (0%) (0%) 0/50 (0%) 1/50 (2%)			
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67% SD 1.	03% Total 3/300 (19	Mean 1% SD 1.1%			
#Zymbal's Gland: Carcinoma or Adenoma		1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50	(2%) 1/50	(2%) 1/50 (2%) 0/50 (0%) (0%) 0/50 (0%) 1/50 (2%)	••••		
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67% SD 1.	,	. ,			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 162

Report Date:10/04/2007

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
				Ma	ale		
Battelle Columbus Laboratory Southern Research Institute Battelle Columbus Laboratory Southern Research Institute Southern Research Institute	058813803 059902703 050517405 059201205 059201305	08/16/99 08/12/02 08/05/02 07/15/98 01/20/00	729 729 729 729 729 730	50 (3) 50 (3) 50 (3) 50 (3) 50 (3)	22(681) 37(705) 33(703) 35(704) 31(702)	501.7 452.8 510.0 446.9 448.0	Benzophenone Chromium picolinate monohydrate Cresols 2-Methylimidazole 4-Methylimidazole
				Fen	nale		
Battelle Columbus Laboratory Southern Research Institute Battelle Columbus Laboratory Southern Research Institute Southern Research Institute	058813803 059902703 050517405 059201205 059201305	08/17/99 08/12/02 N/A 07/15/98 01/20/00	729 733 N/A 734 735	50 (5) 50 (5) 0 (0) 50 (5) 50 (5)	32(688) 36(702) 0(0) 40(707) 40(702)	348.7 314.7 N/A 320.6 311.3	Benzophenone Chromium picolinate monohydrate Cresols 2-Methylimidazole 4-Methylimidazole

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 163

			Male				Female	
All Organs: Benign Tumors								
		49/50 (98%) 49/50 (98%)	49/50 (98%) 50/50 (100%)	50/50 (100%)		42/50 (84%) 43/50 (86%)	45/50 (90%) 48/50 (96%)	
verall Incidence	Total	247/250 (98.8%)	Mean \ 98.8%	SD 1.1%	Total	178/200 (89%)	Mean 89%	SD 5.29%
All Organs: Malignant Tumors								
		33/50 (66%) 22/50 (44%)	27/50 (54%) 22/50 (44%)	23/50 (46%)		20/50 (40%) 19/50 (38%)	15/50 (30%) 19/50 (38%)	
Overall Incidence	Total	127/250 (50.8%)	Mean 50.8%	SD 9.44%	Total	73/200 (36.5%)	Mean 36.5%	SD 4.43%
All Organs: Malignant and Benign T	umors			((1000))		(2001)		
		50/50 (100%) 50/50 (100%)	50/50 (100%) 50/50 (100%)	50/50 (100%)		46/50 (92%) 45/50 (90%)	47/50 (94%) 48/50 (96%)	
verall Incidence	Total	250/250 (100%)	Mean 100%	SD 0%	Total	186/200 (93%)	Mean 93%	SD 2.58%
All Organs: Hemangioma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
verall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
All Organs: Hemangiosarcoma								
		0/50 (0%) 1/50 (2%)	2/50 (4%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 164

			Male				Female	
#All Organs: Hemangiosarcoma or He	mangioma							
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%) 3/250 (1.2%)	0/50 (0%) Mean 1.2%	SD 1.79%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Histiocytic Sarcoma								
•		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 2/50 (4%)	
Overall Incidence	Total	0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 3/200 (1.5%)	2/50 (4%) Mean 1.5%	SD 1.91%
fAll Organs: Leukemia: Lymphocytic, Undifferentiated	Monocytic, N	lononuclear, or 27/50 (54%) 15/50 (30%)	19/50 (38%) 15/50 (30%)	15/50 (30%)		19/50 (38%) 6/50 (12%)	9/50 (18%) 9/50 (18%)	
Overall Incidence	Total	91/250 (36.4%)	Mean 36.4%	SD 10.43%	Total	43/200 (21.5%)	Mean 21.5%	SD 11.36%
All Organs: Malignant Lymphoma: Hi or Undifferentiated Cell T	istiocytic, Lyr			1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Benign								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 165

			Male				Female	
#All Organs: Mesothelioma: Benign, M	Malignant, NOS							
		2/50 (4%) 2/50 (4%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	5/250 (2%)	Mean 2%	SD 2%	Total	0/200 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Malignan								
_		2/50 (4%) 2/50 (4%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	5/250 (2%)	Mean 2%	SD 2%	Total	0/200 (0%)	Mean 0%	SD 0%
#All Organs: Osteoma								
		0/50 (0%) 2/50 (4%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%	Total	0/200 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma								
0010000.001110		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 1/250 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 1/200 (0.5%)	1/50 (2%) Mean 0.5%	SD 1%
#All Organs: Osteosarcoma or Osteor				•••••			•••••	
23.000.00		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/50 (4%) 3/250 (1.2%)	0/50 (0%) Mean 1.2%	SD 1.79%	Total	0/50 (0%) 1/200 (0.5%)	1/50 (2%) Mean 0.5%	SD 1%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

CISION: OCIZOO7

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 166

			Male				Female	
Adrenal Cortex: Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	2/50 (4%)	
		0/50 (0%)	1/50 (2%)	0/30 (0/0)		5/50 (10%)	1/49 (2%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	8/199 (4.02%)	Mean 4.01%	SD 4.31%
Adrenal Cortex: Carcinoma	•••••							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Ganglioneuroma	•••••							
3		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%
Adrenal Medulla:	•••••							
Hemangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/49 (0%)	0/48 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Benign								
		8/50 (16%) 8/50 (16%)	8/50 (16%) 8/50 (16%)	8/50 (16%)		0/50 (0%) 0/49 (0%)	1/50 (2%) 2/48 (4%)	
Overall Incidence	Total	40/250 (16%)	8/50 (16%) Mean 16%	SD 0%	Total	3/197 (1.52%)	2/46 (4%) Mean 1.54%	SD 1.99%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Control Animal Groups Report Date:10/04/2007
RAL

Page: 167

			Male				Female	
Adrenal Medulla: Pheochromocytoma Co	omplex							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	
verall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%	Total	0/197 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma M								
·	J	0/50 (0%) 0/50 (0%)	3/50 (6%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	2/50 (4%) 1/48 (2%)	
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 2.68%	Total	3/197 (1.52%)	Mean 1.52%	SD 1.92%
Adrenal Medulla: Pheochromocytoma: B	Benign, Complex	x, Malignant, NOS 8/50 (16%) 8/50 (16%)	11/50 (22%) 10/50 (20%)	8/50 (16%)		0/50 (0%) 0/49 (0%)	3/50 (6%) 3/48 (6%)	
overall Incidence	Total	45/250 (18%)	Mean 18%	SD 2.83%	Total	6/197 (3.05%)	Mean 3.06%	SD 3.54%
Blood Vessel: Osteosarcoma	•••••							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
verall Incidence	Total	0/30 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Bone: Chondrosarcoma	•••••							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

cision: Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 168

			Male				Female				
#Bone: Chondrosarcoma or Chondroma 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)											
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%			
#Bone: Chordoma											
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)				
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%			
#Bone: Osteoma											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	2/50 (4%) 2/250 (0.8%)	0/50 (0%) Mean 0.8%	SD 1.79%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%			
#Bone: Osteosarcoma											
o o o o o o o o o o o o o o o o o o o		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%)	1/50 (2%) Mean 0.5%	SD 1%			
		0/250 (0%)				1/200 (0.5%)					
#Bone: Osteosarcoma or Osteoi	ma	0/50 (09/)	0/50 (09/)	0/50 (0%)		0/50 (09/)	0/50 (09/)				
		0/50 (0%) 2/50 (4%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)				
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 169

			Male				Female	
*Brain: Astrocytoma Malignant		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Brain: Ependymoma Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/250 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	SD 0%	Total	0/30 (0%) 0/50 (0%) 0/200 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	SD 0%
*Brain: Glioma Malignant								
Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/250 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/200 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	SD 0%
Brain: Granular Cell Tumor Beni	gn							
Overall Incidence	Total	0/50 (0%) 0/50 (0%) 2/250 (0.8%)	2/50 (4%) 0/50 (0%) Mean 0.8%	0/50 (0%) SD 1.79%	Total	0/50 (0%) 0/50 (0%) 0/200 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	SD 0%
Brain: Medulloblastoma Mal		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

5131011. OCI2001

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 170

			Male				Female	
*Brain: Meningioma Malignant		0/50 (00/)	0/50 /00/	0/50 (00/)		0/50 (00/)	0/50 (00/)	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Brain:					•••••			
Meningioma: Benign, M	lalignant, NOS	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	, ,		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma Ber								
3 3 3 3 3 3 3 3 3 3	3	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Brain:								
Oligodendroglioma Mal	lignant	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0,00 (0,0)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Brain:					•••••			
Oligodendroglioma, Gli	oma, or Astroc	ytoma 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/30 (076)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

CISION: COLECCI

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 171

			Male				Female	
Clitoral/Preputial Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%) 2/50 (4%)	5/50 (10%)		3/50 (6%) 5/50 (10%)	10/50 (20%) 8/50 (16%)	
Overall Incidence	Total	8/250 (3.2%)	Mean 3.2%	SD 4.15%	Total	26/200 (13%)	Mean 13%	SD 6.22%
Clitoral/Preputial Gland: Carcinoma					••••			
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		1/50 (2%) 3/50 (6%)	0/50 (0%) 2/50 (4%)	
Overall Incidence	Total	1/250 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	3/50 (6%) 6/200 (3%)	2/50 (4%) Mean 3%	SD 2.58%
Clitoral/Preputial Gland: Carcinoma or Adenoma			•••••		•••••			
		1/50 (2%)	1/50 (2%)	5/50 (10%)		4/50 (8%)	10/50 (20%)	
Overall Incidence	Total	0/50 (0%) 9/250 (3.6%)	2/50 (4%) Mean 3.6%	SD 3.85%	Total	8/50 (16%) 32/200 (16%)	10/50 (20%) Mean 16%	SD 5.66%
Clitoral/Preputial Gland:					• • • • • • • • • • • • • • • • • • • •			
Fibrosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/00 (0/0)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	2/200 (1%)	Mean 1%	SD 1.15%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Croicii. Colzoor

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 172

			Male				Female	
#Ear: Neural Crest Tumor								
Nedrai Orest Tullion		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Esophagus: Fibrosarcoma			•••••		•••••	•••••		
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Eye: Amelanotic Melanoma, Be	enign							
	•	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Eye: Melanoma Benign						•••••		
Meianoma Bemgn		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	
	T-1-1	0/50 (0%)	0/50 (0%)	OD 00/	T-1-1	0/50 (0%)	0/50 (0%)	00.40/
verall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
Eye: Schwannoma Malignant		2/22 (22/)	(20)	(50)		2/22 (22)	2(72 (224)	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 173

			Male				Female	
#Harderian Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma			•••••					
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Heart:								
Schwannoma Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	,		0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
Heart: Schwannoma Malignant								
		1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 174

			Male				Female	
#Intestine Large: Colon/Rectu Adenoma	ım:							
		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Recti Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Recto Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Rectu Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/200 (0%)	Mean 0%	SD 0%
fintestine Small: Duodenum: Carcinoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 175

			Male				Female	
#Intestine Small: Duodenum: Leiomyoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Intestine Small: Jejunum: Leiomyoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Intestine Small: Jejunum: Leiomyosarcoma								
, , , , , , , , , , , , , , , , , , , ,		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
Intestine Small: Site Unspecif							•••••	
Carcinoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 1/250 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
Water the Court Office Harman in								
Intestine Small: Site Unspecif Carcinoma or Adenoma	iea:	(00)	./=-	2(22 (22)		(00)	2/22 (22/)	
		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

EISIOII. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 176

			Male				Female					
#Intestine Small: Site Unspecified: Leiomyoma												
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)					
verall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%				
Intestine Small: Site Unspec Leiomyosarcoma												
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)					
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%				
Islets, Pancreatic: Adenoma			•••••									
		1/50 (2%) 0/50 (0%)	1/50 (2%) 3/50 (6%)	1/49 (2%)		0/50 (0%) 0/50 (0%)	2/49 (4%) 0/49 (0%)					
Overall Incidence	Total	6/249 (2.41%)	Mean 2.41%	SD 2.19%	Total	2/198 (1.01%)	Mean 1.02%	SD 2.04%				
slets, Pancreatic:								•••••				
Carcinoma		0/50 (0%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/49 (0%)					
		0/50 (0%)	0/50 (0%)	(=75)		2/50 (4%)	0/49 (0%)					
overall Incidence	Total	2/249 (0.8%)	Mean 0.81%	SD 1.11%	Total	2/198 (1.01%)	Mean 1%	SD 2%				
slets, Pancreatic: Carcinoma or Adenoma								•••••				
		1/50 (2%) 0/50 (0%)	2/50 (4%) 3/50 (6%)	2/49 (4%)		0/50 (0%) 2/50 (4%)	2/49 (4%) 0/49 (0%)					
Overall Incidence	Total	8/249 (3.21%)	Mean 3.22%	SD 2.29%	Total	4/198 (2.02%)	0/49 (0%) Mean 2.02%	SD 2.33%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 177

			Male				Female					
*Kidney: Pelvis and Transitional Epithelium: Carcinoma												
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/47 (0%) 0/48 (0%)					
verall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%				
Kidney: Pelvis and Trans Carcinoma or Adenom	itional Epitheliu											
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/47 (0%) 0/48 (0%)					
verall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%				
Kidney: Pelvis and Trans Papilloma		m: 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/47 (0%)					
overall Incidence	Total	0/49 (0%) 0/247 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/195 (0.51%)	1/48 (2%) Mean 0.52%	SD 1.04%				
		1/50 (2%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/47 (0%) 0/48 (0%)					
verall Incidence	Total	1/247 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/195 (0%)	Mean 0%	SD 0%				
Kidney: Renal Tubule: Carcinoma												
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/47 (0%) 0/48 (0%)					
Overall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

E131011. OCI2001

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 178

			Male				Female	
Kidney: Renal Tubule: Carcinoma or Adenoma			(00)	2(22)		0.50		
		1/50 (2%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/47 (0%) 0/48 (0%)	
Overall Incidence	Total	1/247 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/195 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/47 (0%) 0/48 (0%)	
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/195 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Lipoma								
_ 		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/47 (0%)	
Overall Incidence	Total	0/49 (0%) 0/247 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/195 (0%)	0/48 (0%) Mean 0%	SD 0%
Kidney: Renal Tubule:							•••••	
Liposarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/47 (0%)	
		0/49 (0%)	0/48 (0%)	(1,1)		0/50 (0%)	0/48 (0%)	
Overall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Mesenchymal Tumor Benig								
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/47 (0%) 0/48 (0%)	
Overall Incidence	Total	0/49 (0%)	0/46 (0%) Mean 0%	SD 0%	Total	0/30 (0%)	0/46 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 179

			Male				Female	
Kidney: Renal Tubule: Nephroblastoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/47 (0%)	
		0/30 (0%)	0/30 (0%)	0/30 (0%)		0/50 (0%)	0/47 (0%)	
Overall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/47 (0%)	
Overall Incidence	Total	0/49 (0%) 1/247 (0.4%)	1/48 (2%) Mean 0.42%	SD 0.93%	Total	0/50 (0%) 0/195 (0%)	0/48 (0%) Mean 0%	SD 0%
overall incluence	Total	1/247 (0.470)	Weatt 0.4276	3D 0.9376	Total	0/193 (076)	Weatt 070	30 0%
Liver: Cholangiocarcinoma			•••••	•••••		•••••		•••••
.		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	-	1/50 (2%)	0/50 (0%)	00.000/	.	1/50 (2%)	0/50 (0%)	05.40/
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
Liver: Cholangioma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	-	0/50 (0%)	0/50 (0%)	00.000/	.	0/50 (0%)	0/50 (0%)	00.00/
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
Liver: Hemangiosarcoma								•••••
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 180

Report Date: 10/04/2007

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

			Male				Female	
*Liver: Hepatocellular Adenoma								
Tiepateoenalai Adenema		2/50 (4%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	2/50 (4%) 0/50 (0%)	
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%
Liver: Hepatocellular Carcinoma			•••••		•••••			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Carcinoma		lastoma 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinoma								
·	•	2/50 (4%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	2/50 (4%) 0/50 (0%)	
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%
Liver: Hepatocellular Carcinoma Hepatoblastoma	, Hepatocell	ular Adenoma, or						
		2/50 (4%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	2/50 (4%) 0/50 (0%)	
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 181

			Male				Female	
Lung: Alveolar/Bronchiolar A	Adenoma							
		4/50 (8%) 2/50 (4%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		4/50 (8%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	
Overall Incidence	Total	7/250 (2.8%)	Mean 2.8%	SD 3.35%	Total	5/200 (2.5%)	Mean 2.5%	SD 3.79%
Lung: Alveolar/Bronchiolar (Carcinoma							
		0/50 (0%) 2/50 (4%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%	Total	0/200 (0%)	Mean 0%	SD 0%
Adenoma Overall Incidence	Total	4/50 (8%) 4/50 (8%) 9/250 (3.6%)	0/50 (0%) 0/50 (0%) Mean 3.6%	1/50 (2%) SD 4.1%	Total	4/50 (8%) 0/50 (0%) 5/200 (2.5%)	1/50 (2%) 0/50 (0%) Mean 2.5%	SD 3.79%
Lung:		` ,				` ,		
Hemangiosarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Lung: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

E131011. OCI2001

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 182

			Male				Female	
Lung: Squamous Cell Carcinoma								
·		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
verall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
_ymph Node, Mesenteric: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
verall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Mammary Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		2/50 (4%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	
verall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%
Mammary Gland: Carcinoma					•••••			
Carcinoma		0/50 (0%)	` ,	0/50 (0%)		0/50 (0%)	0/50 (0%)	
verall Incidence	Tatal	0/50 (0%)	0/50 (0%) Mean 0%	CD 00/	Tatal	4/50 (8%)	2/50 (4%)	CD 2.020/
	Total	0/250 (0%)		SD 0%	Total	6/200 (3%)	Mean 3%	SD 3.83%
Mammary Gland: Carcinoma or Adenoma		2/52 (22)	2/22 (22)	. (50)		2/22 (40)	(00)	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		2/50 (4%) 4/50 (8%)	1/50 (2%) 2/50 (4%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	9/200 (4.5%)	Mean 4.5%	SD 2.52%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 183

			Male				Female	
Mammary Gland: Fibroadenoma								
		2/50 (4%) 0/50 (0%)	2/50 (4%) 3/50 (6%)	0/50 (0%)		27/50 (54%) 26/50 (52%)	29/50 (58%) 24/50 (48%)	
overall Incidence	Total	7/250 (2.8%)	Mean 2.8%	SD 2.68%	Total	106/200 (53%)	Mean 53%	SD 4.16%
Mammary Gland: Fibroma						•••••		•••••
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Mammary Gland: Fibroma, Fibroadenon	na or Adenoma		- /					
		2/50 (4%) 0/50 (0%)	2/50 (4%) 3/50 (6%)	1/50 (2%)		28/50 (56%) 26/50 (52%)	30/50 (60%) 24/50 (48%)	
overall Incidence	Total	8/250 (3.2%)	Mean 3.2%	SD 2.28%	Total	108/200 (54%)	Mean 54%	SD 5.16%
Mammary Gland: Fibroma, Fibroadenon						•••••		•••••
		2/50 (4%) 0/50 (0%)	2/50 (4%) 3/50 (6%)	1/50 (2%)		28/50 (56%) 28/50 (56%)	30/50 (60%) 25/50 (50%)	
verall Incidence	Total	8/250 (3.2%)	Mean 3.2%	SD 2.28%	Total	111/200 (55.5%)	Mean 55.5%	SD 4.12%
Mesentery: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 184

			Male				Female	
#Mesentery: Hemangiosarcoma								
		0/50 (0%) 1/50 (2%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%
#Mesentery: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Mesentery: Rhabdomyosarcoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
Nose:	•••••				•••••			
Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/49 (0%)	0/30 (0/8)		0/50 (0%)	0/49 (0%)	
Overall Incidence	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/199 (0%)	Mean 0%	SD 0%
Nose: Chondroma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	
Overall Incidence	Total	0/30 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/30 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 185

			Male				Female	
*Nose: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
*Nose: Squamous Cell Carcino	oma	•••••	•••••	•••••		•••••	•••••	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
Papilloma Squamous o Overall Incidence	Total	1/50 (2%) 0/50 (0%) 2/250 (0.8%)	1/50 (2%) 0/50 (0%) Mean 0.8%	0/50 (0%) SD 1.1%	Total	0/50 (0%) 0/50 (0%) 0/200 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	SD 0%
		,	Mean 0.8%			, ,	Mean 0%	SD 0%
Oral Cavity (Oral Mucosa, Squamous Cell Carcino		/nx, Tooth, Gingiva):						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, Squamous Cell Carcino Papilloma	Tongue, Phary							
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Report Date:10/04/2007

Page: 186

Species: RATS Strain: F344

Length of Study: CHRONIC

Route: ORAL Vehicle: FEED

			Male				Female	
Oral Mucosa: Squamous Cell Carcino	ma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overell Incidence	Tatal	0/50 (0%)	0/50 (0%)	CD 00/	Tatal	0/50 (0%)	0/50 (0%)	CD 00/
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Oral Mucosa: Squamous Cell Papillon								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%
overali incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	wear 0%	SD 0%
Ovary: Granulosa Cell Tumor E	Benign					0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/200 (0%)	Mean 0%	SD 0%
Ovary:		•••••	• • • • • • • • • • • • • • • • • • • •	•••••		•••••		
Granulosa Cell Tumor N	/lalignant							
						0/50 (0%)	0/50 (0%)	
Overall Incidence					Tatal	0/50 (0%)	0/50 (0%)	CD 00/
verali incidence					Total	0/200 (0%)	Mean 0%	SD 0%
Ovary: Granulosa Cell Tumor: I								
		·,				0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 187

			Male		Female	
*Ovary: Granulosa-Theca Tumor Be	enign					
	_			0/50 (0		
Overall Incidence				0/50 (0 Total 1/200 (0.5%	,	
*Pancreas: Adenoma				-1		
		0/50 (0%) 1/49 (2%)	0/49 (0%) 0/49 (0%) 1/50 (2%)	0/50 (0' 0/50 (0'	%) 0/49 (0%) %) 0/49 (0%)	
Overall Incidence	Total	2/247 (0.81%)	Mean 0.81% SD 1.11%	•	Mean 0% SD 0%	
*Pancreas: Carcinoma						
- Caronia		0/50 (0%)	0/49 (0%) 0/49 (0%)	,	%) 0/49 (0%)	
O	T-1-1	0/49 (0%)	0/50 (0%)	(-	%) 0/49 (0%)	
Overall Incidence	Total	0/247 (0%)	Mean 0% SD 0%	Total 0/198 (0%)	Mean 0% SD 0%	
Pancreas: Carcinoma or Adenoma						
		0/50 (0%)	0/49 (0%) 0/49 (0%)	`	%) 0/49 (0%)	
Overell Incidence	Total	1/49 (2%)	1/50 (2%)	•	%) 0/49 (0%) Mean 0% SD 0%	
Overall Incidence	Total	2/247 (0.81%)	Mean 0.81% SD 1.11%		Mean 0% SD 0%	
*Pancreas: Mixed Tumor Benign						
		1/50 (2%)	0/49 (0%) 0/49 (0%)	0/50 (0		
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	•	%) 0/49 (0%)	
Overall Incidence	Total	1/247 (0.4%)	Mean 0.4% SD 0.89%	Total 0/198 (0%)	Mean 0% SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

C131011: 0012007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 188

			Male				Female	
Parathyroid Gland:								
Addionia		0/49 (0%)	1/45 (2%)	1/46 (2%)		0/47 (0%)	0/48 (0%)	
	.	0/47 (0%)	1/48 (2%)	00 4 400/	.	0/49 (0%)	0/50 (0%)	00.00/
verall Incidence	Total	3/235 (1.28%)	Mean 1.3%	SD 1.18%	Total	0/194 (0%)	Mean 0%	SD 0%
Peripheral Nerve: Schwannoma Malignant	t							
•		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Peripheral Nerve: Schwannoma: Benign, I	Malignant, NOS	3						
-		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/30 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Dista Adenoma		ied Site:						
		10/50 (20%)	10/50 (20%)	20/50 (40%)		17/50 (34%)	24/49 (49%)	
Overall Incidence	Total	9/50 (18%)	16/49 (33%) Mean 26.13%	CD 0.70/	Total	23/50 (46%)	29/48 (60%) Mean 47.35%	SD 10.85%
verali incidence	Total	65/249 (26.1%)		SD 9.7%	Total	93/197 (47.21%)		SD 10.85%
Pituitary Gland: Pars Dista Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%)		0/50 (0%) 2/50 (4%)	1/49 (2%) 0/48 (0%)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Sion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 189

			Male				Female	
Pituitary Gland: Pars Dist Carcinoma or Adenom		ied Site:						
		10/50 (20%) 9/50 (18%)	10/50 (20%) 16/49 (33%)	20/50 (40%)		17/50 (34%) 25/50 (50%)	25/49 (51%) 29/48 (60%)	
verall Incidence	Total	65/249 (26.1%)	Mean 26.13%	SD 9.7%	Total	96/197 (48.73%)	Mean 48.86%	SD 10.96%
Pituitary Gland: Pars Inte Adenoma								
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/48 (0%)	
verall Incidence	Total	2/249 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/197 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Inte	rmedia:							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/48 (0%)	
verall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%
ituitary Gland: Pars Inte	rmedia:			•••••				
Carcinoma or Adenom	na	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/48 (0%)	
verall Incidence	Total	2/249 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/197 (0%)	Mean 0%	SD 0%
Prostate: Adenoma					•••••			
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)				
verall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

CISION: OCIZOO7

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 190

			Male	Female
*Prostate: Carcinoma or Adenoma		0/49 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/249 (0%)	0/50 (0%) Mean 0% SD 0%	
*Salivary Glands: Sarcoma				
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/248 (0%)	Mean 0% SD 0%	Total 0/200 (0%) Mean 0% SD 0%
*Salivary Glands: Schwannoma Malignant				
		1/49 (2%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/248 (0.4%)	Mean 0.41% SD 0.91%	Total 0/200 (0%) Mean 0% SD 0%
#Skeletal Muscle: Fibrosarcoma				
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0% SD 0%	Total 0/200 (0%) Mean 0% SD 0%
#Skeletal Muscle: Hemangioma				
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0% SD 0%	Total 0/200 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 191

			Male				Female	
#Skeletal Muscle: Hemangiosarcoma								
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Lipoma	•••••							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma	•••••							
·		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
Skeletal Muscle:							•••••	
Rhabdomyosarcoma or	Rhabdomyom	a 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL

Length of Study: CHRONIC

Vehicle: FEED

Page: 192

		Male				Female	
	0/50 (0%) 0/50 (0%)		0/50 (0%)				
Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
	•••••		•••••				
Basosquamou	s Tumor Benian						
	0/50 (0%) 0/50 (0%)	1/50 (2%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	
Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
sosquamous	Tumor Benign, or 0/50 (0%) 1/50 (2%)	1/50 (2%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	
Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%	Total	2/200 (1%)	Mean 1%	SD 1.15%
				•••••	•••••		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	
Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
Basosquamo	us Tumor (malignant or	······································					
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	
Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
	Total Total Total Total	Total 2/250 (0.8%) Basosquamous Tumor Benign 0/50 (0%) 0/50 (0%) Total 2/250 (0.8%) Sosquamous Tumor Benign, or 0/50 (0%) 1/50 (2%) Total 3/250 (1.2%) O/50 (0%) 0/50 (0%) Total 0/250 (0%) Basosquamous Tumor (malignant or 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%) 1/50 (2%) Total 2/250 (0.8%) Mean 0.8% Basosquamous Tumor Benign 0/50 (0%) 1/50 (2%) 0/50 (0%) 1/50 (2%) Total 2/250 (0.8%) Mean 0.8% Bosquamous Tumor Benign, or 0/50 (0%) 1/50 (2%) 1/50 (2%) 1/50 (2%) Total 3/250 (1.2%) Mean 1.2% 0/50 (0%) 0/50 (0%) Total 0/250 (0%) 0/50 (0%) Total 0/250 (0%) Mean 0% Basosquamous Tumor (malignant or 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	O/50 (0%) 1/50 (2%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Basosquamous Tumor Benign	O/50 (0%)	O/50 (0%) 1/50 (2%) 0/50 (0%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (0%) 1/50 (0%) 1/50 (2%) 1/50	0/50 (0%) 1/50 (2%) 1/50 (2%) 1/50

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

rsion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 193

			Male				Female	
#Skin: Basal Cell Carcinoma, I Tumor (benign, maligna								
(0 / 0	,	0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Tatal	1/50 (2%)	1/50 (2%)	CD 4.40/	Tatal	2/50 (4%)	1/50 (2%)	CD 4.040/
overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%
Skin: Basal or Sq. Cell Carcir or B), Basal Cell Adeno Papilloma, Keratoacant	ma, Adenoma,	Papilloma, Sq	4/50 (8%)	1/50 (2%)		3/50 (6%)	0/50 (0%)	
		2/50 (4%)	3/50 (6%)	1/30 (2/0)		2/50 (4%)	2/50 (4%)	
Overall Incidence	Total	21/250 (8.4%)	Mean 8.4%	SD 7.92%	Total	7/200 (3.5%)	Mean 3.5%	SD 2.52%
Skin: Fibroma Overall Incidence	Total	5/50 (10%) 2/50 (4%) 20/250 (8%)	4/50 (8%) 8/50 (16%) Mean 8%	1/50 (2%) SD 5.48%	Total	3/50 (6%) 1/50 (2%) 5/200 (2.5%)	0/50 (0%) 1/50 (2%) Mean 2.5%	SD 2.52%
Skin: Fibroma, Fibrosarcoma Fibrous Histiocytoma		6/50 (12%) 2/50 (4%)	4/50 (8%) 8/50 (16%)	4/50 (8%)		4/50 (8%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	
Overall Incidence	Total	24/250 (9.6%)	Mean 9.6%	SD 4.56%	Total	6/200 (3%)	Mean 3%	SD 3.46%
Skin: Fibrosarcoma		0/50 (/0//)	0/50 (0%)	2/50 (49/)		1/50 /29/\	0/50 (09/)	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	2/50 (4%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
		0,00 (0,0)	3/33 (3/3)			3,33 (3,73)	3/00 (0/0)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 194

			Male				Female	
#Skin: Fibrosarcoma, Sarcoma Histiocytoma	a, Myxosarcom	a, or Fibrous						
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	3/50 (6%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	4/250 (1.6%)	Mean 1.6%	SD 2.61%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin: Fibrous Histiocytoma							•••••	
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma		0/50 (00/)	0/50 (00/)	0/50 (00)	•••••	0/50 (00)	0/50 (00/)	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma								
		10/50 (20%) 1/50 (2%)	3/50 (6%) 1/50 (2%)	1/50 (2%)		3/50 (6%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	16/250 (6.4%)	Mean 6.4%	SD 7.8%	Total	3/200 (1.5%)	Mean 1.5%	SD 3%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

FISIOII. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 195

			Male				Female	
#Skin: Lipoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 1/250 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Liposarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Neural Crest Tumor								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 1/250 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin:					•••••			
Neurofibroma or Schwa	annoma benign	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin:						•••••	•••••	
Neurofibrosarcoma or	Schwannoma (r	nalignant or NOS) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 196

			Male				Female	
#Skin: Neurofibrosarcoma, Neuro malignant or NOS)	fibroma, or	Schwannoma (benign,						
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Osteosarcoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Benign								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Malignant								
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 197

			Male				Female	
#Skin: Squamous Cell Carcin	oma							
- 4		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcin								
Basosquamous Tumor	(mangham or r	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin: Squamous Cell Papillo	oma							
·		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin: Squamous Cell Papillo	ma or Papillom	a						
	•	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin: Squamous Cell Papillo Carcinoma or Keratoad	oma, Papilloma,							
		11/50 (22%) 1/50 (2%)	3/50 (6%) 2/50 (4%)	1/50 (2%)		3/50 (6%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	
Overall Incidence	Total	18/250 (7.2%)	2/50 (4%) Mean 7.2%	SD 8.44%	Total	4/200 (2%)	Mean 2%	SD 2.83%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 198

			Male				Female	
#Skin: Squamous Cell Papilloma	. Papilloma.	or Keratoacanthoma						
	, ,	11/50 (22%) 1/50 (2%)	3/50 (6%) 1/50 (2%)	1/50 (2%)		3/50 (6%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	
Overall Incidence	Total	17/250 (6.8%)	Mean 6.8%	SD 8.67%	Total	4/200 (2%)	Mean 2%	SD 2.83%
#Skin: Trichoepithelioma							•••••	
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin: Sebaceous Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma							•••••	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)			0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 199

			Male				Female	
#Spinal Cord: Astrocytoma Benign								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Spleen: Fibrosarcoma								
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%)		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
Spleen: Hemangioma								
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%)		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
Spleen:		•••••	•••••			•••••		
Hemangiosarcoma		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
Overall Incidence	Total	0/49 (0%) 1/248 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/199 (0%)	0/50 (0%) Mean 0%	SD 0%
Spleen: Leiomyosarcoma								
•		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/49 (0%)		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/49 (0%) 1/248 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/199 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

			Male				Female	
#Stomach, Forestomach: Leiomyosarcoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/30 (2/0)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Schwannoma Malignant	•••••							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
Overall incluence	TOTAL	0/250 (0%)	Medii 0%	3D 0%	TOtal	0/200 (0%)	Weatt 0%	30 0%
#Stomach, Forestomach: Squamous Cell Carcinoma					•••••			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/30 (0%)	Mean 0%	SD 0%
#01					•••••			
#Stomach, Forestomach: Squamous Cell Carcinoma	or Panillon	na Squamous						
oquamous con caromoma	o upo	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Papilloma		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 200

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 201

			Male				Female	
#Stomach, Glandular: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Lipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Testes: Adenoma								
		45/50 (90%) 48/50 (96%)	46/50 (92%) 46/50 (92%)	49/50 (98%)				
Overall Incidence	Total	234/250 (93.6%)	Mean 93.6%	SD 3.29%				
Thymus:								
Jaicoma		0/48 (0%)	0/48 (0%)	0/47 (0%)		0/50 (0%)	0/46 (0%)	
Overall Incidence	Total	0/48 (0%) 0/239 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/48 (0%) 0/191 (0%)	0/47 (0%) Mean 0%	SD 0%
Thymus: Thymoma Benign	•••••				•••••			
		0/48 (0%) 0/48 (0%)	0/48 (0%) 0/48 (0%)	0/47 (0%)		0/50 (0%) 0/48 (0%)	0/46 (0%) 0/47 (0%)	
Overall Incidence	Total	0/239 (0%)	Mean 0%	SD 0%	Total	0/191 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

5131011. OCI2001

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 202

			Male		Female
Thymus: Thymoma Malignant					
		0/48 (0%) 0/48 (0%)	0/48 (0%) 0/47 (0%) 0/48 (0%)) 0/50 (0% 0/48 (0%	, , ,
Overall Incidence	Total	0/239 (0%)	Mean 0% SD 0%	Total 0/191 (0%)	Mean 0% SD 0%
Thymus:					
Thymoma: Benign, Malignant	, NOS	0/48 (0%)	0/48 (0%) 0/47 (0%)) 0/50 (0%	5) 0/46 (0%)
		0/48 (0%) 0/48 (0%)	0/48 (0%) 0/47 (0%))	, , ,
overall Incidence	Total	0/239 (0%)	Mean 0% SD 0%	Total 0/191 (0%)	Mean 0% SD 0%
Thyroid Gland: C-Cell: Adenoma					
		10/50 (20%)	5/50 (10%) 6/50 (12%	,	
overall Incidence	Total	9/48 (19%) 41/245 (16.73%)	11/47 (23%) Mean 16.83% SD 5.63%	9/49 (18° 5 Total 26/195 (13.33	, , ,
Γhyroid Gland: C-Cell: Carcinoma					
Garcinoma		1/50 (2%) 1/48 (2%)	4/50 (8%) 1/50 (2%) 0/47 (0%)) 0/50 (0% 0/49 (0%	, , ,
verall Incidence	Total	7/245 (2.86%)	Mean 2.82% SD 3.03%	•	, , ,
Thyroid Gland: C-Cell: Carcinoma or Adenoma					
		11/50 (22%)	9/50 (18%) 7/50 (14%		
Verall Incidence	Total	10/48 (21%) 48/245 (19.59%)	11/47 (23%) Mean 19.65% SD 3.73%	9/49 (18° S Total 28/195 (14.3°	, , ,
Overall Incidence	Total	48/245 (19.59%)	Mean 19.65% SD 3.73%	Total 28/195 (14.36	6%) Mean 14.48% SD 7.67%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 203

			Male				Female	
*Thyroid Gland: Follicular Cell: Adenoma								
		2/50 (4%) 1/48 (2%)	2/50 (4%) 0, 0/47 (0%)	/50 (0%)		0/50 (0%) 0/49 (0%)	0/49 (0%) 2/47 (4%)	
Overall Incidence	Total	5/245 (2.04%)	Mean 2.02%	SD 2%	Total	2/195 (1.03%)	Mean 1.06%	SD 2.13%
Thyroid Gland: Follicular Cell: Carcinoma	•••••				•••••			
		0/50 (0%) 0/48 (0%)	0/50 (0%) 0. 0/47 (0%)	/50 (0%)		0/50 (0%) 1/49 (2%)	0/49 (0%) 0/47 (0%)	
Overall Incidence	Total	0/245 (0%)	Mean 0%	SD 0%	Total	1/195 (0.51%)	Mean 0.51%	SD 1.02%
Thyroid Gland: Follicular Cell: Carcinoma or Adenoma								
		2/50 (4%) 1/48 (2%)	2/50 (4%) 0. 0/47 (0%)	/50 (0%)		0/50 (0%) 1/49 (2%)	0/49 (0%) 2/47 (4%)	
Overall Incidence	Total	5/245 (2.04%)	Mean 2.02%	SD 2%	Total	3/195 (1.54%)	Mean 1.57%	SD 2.03%
Tissue NOS: Fibrosarcoma								
i ibi odal doma		0/50 (0%)	()	/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/50 (2%) 1/200 (0.5%)	0/50 (0%) Mean 0.5%	SD 1%
Tissue NOS: Leiomyoma					•••••			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 204

			Male				Female	
#Tissue NOS: Lipoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/30 (0/6)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
†Tissue NOS: Paraganglioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Ti NOC-								
Tissue NOS: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%) 1/250 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	SD 0%
Tissue NOS: Schwannoma Malignant								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/200 (0.5%)	1/50 (2%) Mean 0.5%	SD 1%
overali incidence		0/250 (0%)				` ,		
fTongue: Liposarcoma								
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/200 (0.5%)	0/50 (0%) Mean 0.5%	SD 1%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

		Male				Female	
na or Papillon	na Squamous						
·	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%
ıa							
	` ,		0/50 (0%)			` ,	
Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%
	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	
Total	0/30 (0%)	Mean 0%	SD 0%	Total	0/30 (0%)	Mean 0%	SD 0%
	0/50 (0%) 0/50 (0%)		0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	
Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
	0/50 (0%)		1/49 (2%)		0/50 (0%)	0/50 (0%)	
Total	0/50 (0%) 1/248 (0.4%)	0/49 (0%) Mean 0.41%	SD 0.91%	Total	1/199 (0.5%)	0/49 (0%) Mean 0.5%	SD 1%
	Total Total Total	0/50 (0%) Total 2/250 (0.8%) a	Total 2/250 (0%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% 1/50 (2%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% 1/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/250 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) Total 0/248 (0%) Mean 0%	na or Papilloma Squamous 1/50 (2%) 1/50 (2%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% a 1/50 (2%) 1/50 (2%) SD 1.1% a 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/250 (0%) Mean 0% SD 0% Total 0/248 (0%) Mean 0% SD 0% 0/50 (0%) 0/49 (0%) Total 0/248 (0%) Mean 0% SD 0%	na or Papilloma Squamous 1/50 (2%) 1/50 (2%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 1/50 (2%) 1/50 (2%) SD 1.1% Total 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/250 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) 0/49 (0%) Total 0/248 (0%) Mean 0% SD 0% Total	na or Papilloma Squamous 1/50 (2%) 1/50 (2%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 0/200 (0%) 1/50 (0%) 1/50 (2%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 0/200 (0%) 1/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 1/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 0/200 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 0/200 (0%) Total 0/250 (0%) 0/50 (0%) 1/50 (0%)	na or Papilloma Squamous 1/50 (2%) 1/50 (2%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 0/200 (0%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 0/200 (0%) Mean 0% 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 0/200 (0%) Mean 0% 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 0/200 (0%) Mean 0% 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/250 (0%) 0/50 (0%) 0/50 (0%) Total 0/250 (0%) Mean 0% SD 0% Total 0/200 (0%) Mean 0% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/250 (0%) 0/49 (0%) 0/49 (0%) Total 0/248 (0%) Mean 0% SD 0% Total 0/199 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 205

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 206

Report Date: 10/04/2007

Length of Study: CHRONIC

			Male				Female	
*Urinary Bladder: Leiomyosarcoma								
, , , , , , , , , , , , , , , , , , , ,		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Papilloma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	1/49 (2%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)	
Overall Incidence	Total	1/248 (0.4%)	Mean 0.41%	SD 0.91%	Total	1/199 (0.5%)	Mean 0.5%	SD 1%
#Uterus: Adenoma								
						0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence					Total	0/200 (0%)	Mean 0%	SD 0%
#Uterus:					• • • • • • • • • • • • • • • • • • • •			
Carcinoma								
						0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence					Total	0/200 (0%)	Mean 0%	SD 0%
#Uterus: Deciduoma Benign								
•						0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence					Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS Strain: F344 **Toxicology Data Management System**

Tumor Incidence for Selected Control Animal Groups

Page: 207

Report Date: 10/04/2007

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Uterus: Hemangioma 0/50 (0%)0/50 (0%)(0%) 0/50 (0%)0/50 **Overall Incidence** Total 0/200 (0%) Mean 0% SD 0% #Uterus: Hemangiosarcoma 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)**Overall Incidence** Total 0/200 (0%) Mean 0% SD 0% #Uterus: Leiomyoma (0%)0/50 (0%)0/50 (0%) 0/50 (0%)**Overall Incidence** SD 0% Total 0/200 Mean 0% **#Uterus: Polyp Stromal** (12%)(20%)8/50 (16%)(32%)**Overall Incidence** (20%)Mean 20% SD 8.64% Total 40/200 **#Uterus:** Sarcoma Stromal (0%)0/50 (0%)1/50 (2%)**Overall Incidence** Total 1/200 (0.5%)Mean 0.5% SD 1%

.....

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 208

Report Date: 10/04/2007

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Uterus: Sarcoma Stromal or Polyp Stromal (12%)(20%)(34%) 8/50 (16%)17/50 **Overall Incidence** Total 41/200 (20.5%) Mean 20.5% SD 9.57% #Uterus: Schwannoma Malignant 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)**Overall Incidence** Total 0/200 (0%) Mean 0% SD 0% #Vagina: Polyp 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** SD 0% Total 0/200 Mean 0% #Vagina: Sarcoma (0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Mean 0% SD 0% Total 0/200 (0%) #Zymbal's Gland: Adenoma (0%)(0%)0/50 0/50 0/50 0/50 (0%)(0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/250 (0%)Mean 0% SD 0% Total 0/200 (0%)Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 209

			Male				Female	
#Zymbal's Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 3/50 (6%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	
Overall Incidence	Total	4/250 (1.6%)	Mean 1.6%	SD 2.61%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Zymbal's Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 3/50 (6%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	
Overall Incidence	Total	4/250 (1.6%)	Mean 1.6%	SD 2.61%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 210

Report Date:10/04/2007

Study Summary

Laboratory	Study	Study Start	Length of Study	Number of Animals Total and	Number Surviving and (Mean	Maximum Mean Weekly Body	
Name	Number	Date	in Days	(#/Cage)	Life Span)	Weight	Chemical
				M	ale		
Southern Research Institute	052011407	10/02/02	730	50 (3)	28(696)	532.4	Sodium dichromate dihydrate (VI)
Southern Research Institute	059601905	09/26/01	729	50 (3)	31(686)	526.0	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute Southern Research Institute	059601803 059601705	12/15/98 03/08/00	729 729	50 (3) 50 (3)	29(682) 34(683)	511.6 522.9	Water disinfection byproducts (Bromodichloromethane) Water disinfection byproducts (Dibromoacetic acid)
Southern Research Institute	059601705	09/05/01	729	50 (3)	31(692)	507.8	Water disinfection byproducts (Dibromoacetonitrile)
Southern Research Institute	059601003	09/16/98	729	50 (3)	36(687)	514.1	Water disinfection byproducts (Sodium chlorate)
				Fer	nale		
Southern Research Institute	052011407	10/02/02	735	50 (5)	33(700)	351.2	Sodium dichromate dihydrate (VI)
Southern Research Institute	059601905	09/26/01	731	50 (5)	34(688)	357.3	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute Southern Research Institute	059601803 059601705	N/A 03/08/00	N/A 734	0 (0)	0(0)	N/A	Water disinfection byproducts (Bromodichloromethane)
Southern Research Institute	059601705	03/06/00	734 734	50 (5) 50 (5)	35(693) 29(689)	350.5 337.6	Water disinfection byproducts (Dibromoacetic acid) Water disinfection byproducts (Dibromoacetonitrile)
Southern Research Institute	059601003	09/05/01	734	50 (5)	37(699)	341.7	Water disinfection byproducts (Sodium chlorate)
		22.10/00		(0)	- (555)		

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 211

			Male				Female	
All Organs: Benign Tumors								
_ · · · · · · · · · · · · · · · · · · ·		49/50 (98%)	50/50 (100%)	49/50 (98%)		47/50 (94%)	49/50 (98%)	
		47/50 (94%)	50/50 (100%)	48/50 (96%)		42/50 (84%)	44/50 (88%)	46/50 (92%)
verall Incidence	Total	293/300 (97.67%)	Mean 97.67%	SD 2.34%	Total	228/250 (91.2%)	Mean 91.2%	SD 5.4%
All Organs: Malignant Tumors								
_		29/50 (58%)	27/50 (54%)	28/50 (56%)		20/50 (40%)	18/50 (36%)	
		29/50 (58%)	27/50 (54%)	27/50 (54%)		16/50 (32%)	20/50 (40%)	21/50 (42%)
verall Incidence	Total	167/300 (55.67%)	Mean 55.67%	SD 1.97%	Total	95/250 (38%)	Mean 38%	SD 4%
All Organs: Malignant and Benign T	umors					•••••		
		50/50 (100%)	50/50 (100%)	50/50 (100%)		49/50 (98%)	49/50 (98%)	
		50/50 (100%)	50/50 (100%)	49/50 (98%)		45/50 (90%)	48/50 (96%)	49/50 (98%)
verall Incidence	Total	299/300 (99.67%)	Mean 99.67%	SD 0.82%	Total	240/250 (96%)	Mean 96%	SD 3.46%
All Organs: Hemangioma								
•		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/250 (0%)	Mean 0%	SD 0%
All Organs: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
S	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

sion: Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 212

			Male				Female	
All Organs:	mangiams							
Hemangiosarcoma or He	nangioma	1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
All Organs: Histiocytic Sarcoma					•••••			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
		2/50 (4%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
fAll Organs: Leukemia: Lymphocytic, Undifferentiated	•	26/50 (52%) 17/50 (34%)	21/50 (42%) 21/50 (42%)	16/50 (32%) 13/50 (26%)		8/50 (16%) 11/50 (22%)	15/50 (30%) 14/50 (28%)	11/50 (22%)
Overall Incidence	Total	114/300 (38%)	Mean 38%	SD 9.21%	Total	59/250 (23.6%)	Mean 23.6%	SD 5.55%
fAll Organs: Malignant Lymphoma: Hi or Undifferentiated Cell T	stiocytic, Lyn			0/50 (0%) 1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
All Organs: Mesothelioma: Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 213

			M	lale						Fema	ale		
All Organs: Mesothelioma: Benign, Malig	inant NOS	•											
Mesothenoma. Berngil, Mang	mant, NOS		·%) 1/50	(2%)	3/50	(6%)		0/50 (0	0%)	0/50	(0%)		
			5%) 0/50	(0%)	0/50	(0%)			0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	9/300 (3%)	Mea	n 3%	SD	2.76%	Total	0/250 (0%))	Mear	າ 0%໌	SD	0%
All Organs: Mesothelioma: Malignant													•••••
3		2/50 (4	·%) 1/50	(2%)	3/50	(6%)		0/50 (0	0%)	0/50	(0%)		
		3/50 (6	9%) 0/50	(0%)	0/50	(0%)		0/50 (0	0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	9/300 (3%)	Mea	n 3%	SD	2.76%	Total	0/250 (0%))	Mear	າ 0%	SD	0%
All Organs: Osteoma				•••••		•••••	•••••	•••••	• • • • • • • • • • • • • • • • • • • •			•••••	•••••
		,	9%) 0/50	(0%)	0/50	(0%)		,	0%)	0/50	(0%)		
		0/50 (0	9%) 0/50	(0%)	0/50	(0%)		0/50 (0	0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/300 (0%)	Meai	n 0%	SD	0%	Total	0/250 (0%))	Mear	n 0%	SD	0%
All Organs: Osteosarcoma													
		0/50 (0	9%) 0/50	(0%)	0/50	(0%)		0/50 (0	0%)	1/50	(2%)		
		0/50 (0	9%) 0/50	(0%)	3/50	(6%)		0/50 (0	0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	3/300 (1%)		n 1%		2.45%	Total	1/250 (0.49	,		า 0.4%		0.89%
#All Organs: Osteosarcoma or Osteoma													
			0/50	(0%)	0/50	(0%)			0%)	1/50	(2%)	0/50	(00()
	.	`	9%) 0/50	(0%)	3/50	(6%)	-	,	0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	3/300 (1%)	Mear	n 1%	SD	2.45%	Total	1/250 (0.49	%)	Mear	า 0.4%	SD	0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 214

			Male				Female	
*Adrenal Cortex: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	0/49 (0%) 0/298 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	1/49 (2%) 2/249 (0.8%)	0/50 (0%) Mean 0.81%	0/50 (0%) SD 1.11%
*Adrenal Cortex:								
Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	0/49 (0%) 0/298 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/49 (0%) 0/249 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		,				,		
*Adrenal Medulla: Ganglioneuroma								
3		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	
	-	0/49 (0%)	0/50 (0%)	0/49 (0%)	-	0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/246 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Hemangioma								
riemangioma		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/246 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Benigr								
Delingi	•	6/49 (12%)	9/50 (18%)	8/50 (16%)		2/49 (4%)	2/49 (4%)	
		7/49 (14%)	10/50 (20%)	6/49 (12%)		1/49 (2%)	1/49 (2%)	2/50 (4%)
Overall Incidence	Total	46/297 (15.49%)	Mean 15.46%	SD 3.14%	Total	8/246 (3.25%)	Mean 3.25%	SD 1.1%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 215

			Male				Female	
Adrenal Medulla:	2							
Pheochromocytoma (omplex	0/49 (0%)	0/50 (0%)	2/50 (4%)		0/49 (0%)	0/49 (0%)	
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	2/297 (0.67%)	Mean 0.67%	SD 1.63%	Total	0/246 (0%)	Mean 0%	SD 0%
Adrenal Medulla:	•••••							
Pheochromocytoma M	V alignant							
		1/49 (2%)	1/50 (2%)	1/50 (2%)		1/49 (2%)	2/49 (4%)	0/50 (00/)
	-	0/49 (0%)	0/50 (0%)	3/49 (6%)	+	0/49 (0%)	0/49 (0%)	0/50 (0%)
verall Incidence	Total	6/297 (2.02%)	Mean 2.03%	SD 2.24%	Total	3/246 (1.22%)	Mean 1.22%	SD 1.83%
Adrenal Medulla:							•••••	
Pheochromocytoma:	Benign, Complex							
		7/49 (14%)	10/50 (20%)	11/50 (22%)		3/49 (6%)	4/49 (8%)	0/50 /40/)
Overall Incidence	Total	7/49 (14%)	10/50 (20%)	9/49 (18%)	Total	1/49 (2%)	1/49 (2%)	2/50 (4%)
	Total	54/297 (18.18%)	Mean 18.16%	SD 3.21%	Total	11/246 (4.47%)	Mean 4.47%	SD 2.66%
Blood Vessel:								
Osteosarcoma		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
······································		,				` ,		
Bone: Chondrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence								

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 216

			Male				Female	
#Bone: Chondrosarcoma or Chond	roma	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/250 (0.4%)	1/50 (2%) Mean 0.4%	0/50 (0%) SD 0.89%
Bone: Chordoma					•••••			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Bone: Osteoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Bone: Osteosarcoma					•••••			
o coo o caro o ma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Bone: Osteosarcoma or Osteoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 217

Overall Incidence Total 1/300 (0.33%) Mean 0.33% SD 0.82% Total 0/249 (0%) Mean 0% SD 0% *Brain: Ependymoma Benign 0/50 (0%) 0/50 (0%				Male				Female	
0/50 0/96 0/50 0/96 0/50 0/96									
Deveral Incidence	3								
Brain: Ependymoma Benign			` ,	` '	(,		` ,	` ,	` '
Brain: Ependymoma Benign			,				` ,		
O/50 (0%) O/50	Brain:								
Display								` ,	2/12 (22/)
Brain: Glioma Malignant 0/50 (0%) 0			` ,	` '	(,		` ,	` '	` '
Glioma Malignant 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	verall incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%)				•••••					
Display	_		` ,	` ,			()	` ,	
Brain:			` ,	` '	` '		` ,	` '	` '
Granular Cell Tumor Benign 0/50 (0%)	Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/249 (0%)	Mean 0%	SD 0%
0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/5									
0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0% Overall Incidence Total 0/300 (0%) Mean 0% SD 0% Total 0/249 (0%) Mean 0% SD 0% Brain: Medulloblastoma Mal 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Grandiai Cen Tullioi Benigi		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Brain: Medulloblastoma Mal 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)			` ,	` ,	()		` ,	()	0/49 (0%)
Brain: Medulloblastoma Mal 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
	Brain:					•••••			
0/50 $(0%)$ $0/50$ $(0%)$ $0/50$ $(0%)$ $0/50$ $(0%)$ $0/50$ $(0%)$ $0/49$ $(0%)$					(/			()	0/40 (09/)
Overall Incidence Total 0/300 (0%) Mean 0% SD 0% Total 0/249 (0%) Mean 0% SD 0%	Overall Incidence	Total	` ,	` ,	` '	Total	` ,	` ,	` '

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

HSIOII. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 218

							Female	
Brain: Meningioma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/40 (00/)
overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/249 (0.4%)	0/50 (0%) Mean 0.4%	0/49 (0%) SD 0.89%
Brain: Meningioma: Benign, Malig	nant, NOS							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/40 (00/)
verall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/249 (0.4%)	0/50 (0%) Mean 0.4%	0/49 (0%) SD 0.89%
verall incluence	ı olai	0/300 (0%)	Mean 0%	30 0%	I Olai	1/249 (0.4%)	iviean 0.4%	3D 0.69%
Brain: Oligodendroglioma Benign								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	2/12 (22/)
verall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 0/249 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
······································	10tai				ı olai	0/249 (0/0)		
Brain: Oligodendroglioma Maligna	ınt							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma, Glioma		ytoma			•••••			
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/40 (00/)
verall Incidence	Total	1/50 (2%) 3/300 (1%)	0/50 (0%) Mean 1%	0/50 (0%) SD 1.67%	Total	0/50 (0%) 0/249 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

			Male	Female
*Clitoral/Preputial Gland: Adenoma				
		4/50 (8%) 3/50 (6%)	4/50 (8%) 2/50 (4%) 1/48 (2%) 1/48 (2%)	2/50 (4%) 17/50 (34%) 8/50 (16%) 5/50 (10%) 11/49 (22%)
Overall Incidence	Total	15/296 (5.07%)	Mean 5.03% SD 2.72%	Total 43/249 (17.27%) Mean 17.29% SD 11.59%
*Clitoral/Preputial Gland: Carcinoma				
		1/50 (2%) 0/50 (0%)	2/50 (4%) 1/50 (2%) 0/48 (0%) 3/48 (6%)	8/50 (16%) 0/50 (0%) 1/50 (2%) 1/50 (2%) 3/49 (6%)
Overall Incidence	Total	7/296 (2.36%)	Mean 2.38% SD 2.42%	1/50 (2%) 1/50 (2%) 3/49 (6%) Total 13/249 (5.22%) Mean 5.22% SD 6.42%
Overall incluence	TOLAI	77290 (2.30%)	Wedii 2.30% SD 2.42%	10tal 13/249 (3.22%) Ivieal 3.22% SD 6.42%
*Clitoral/Preputial Gland: Carcinoma or Adenoma				
		4/50 (8%)	5/50 (10%) 3/50 (6%)	10/50 (20%) 17/50 (34%)
		3/50 (6%)	1/48 (2%) 4/48 (8%)	9/50 (18%) 6/50 (12%) 14/49 (29%)
Overall Incidence	Total	20/296 (6.76%)	Mean 6.74% SD 2.74%	Total 56/249 (22.49%) Mean 22.51% SD 8.74%
*Clitoral/Preputial Gland: Fibrosarcoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Occupation and desired	T-1-1	0/50 (0%)	0/48 (0%) 0/48 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0% SD 0%	Total 0/249 (0%) Mean 0% SD 0%
	• • • • • • • • • • • • • • • • • • • •	•••••		
*Clitoral/Preputial Gland: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		1/50 (2%)	0/48 (0%) 0/48 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
Overall Incidence	Total	1/296 (0.34%)	Mean 0.33% SD 0.82%	Total 0/249 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 219

^{#:} Denominator is number of animals necropsied

SISIOII. OCIZUUI

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 220

		Male				Female	
	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
							0/50 (0%)
Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	` ,	` '	` ,		(,	` '	0/50 (0%)
Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
enign							
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	` ,	` '	` '		(,	` '	0/50 (0%)
	` ,				,		SD 0%
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	` ,			Total	0/250 (0%)	Mean 0%	SD 0%
							0/50 (0%)
Total	0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
-	Total Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) Penign 0/50 (0%) 0/50 (0%) Total 0/300 (0%) Total 0/300 (0%) Total 0/300 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	O/50 (0%) O/50 (0%) O/50 (0%) O/50 (0%) Total 1/300 (0.33%) Mean 0.33% O/50 (0%) O/50 (0%) O/50 (0%) O/50 (0%) Total O/300 (0%) Mean 0% Penign O/50 (0%) O/50 (0%) O/50 (0%) O/50 (0%) Total O/300 (0%) Mean 0% O/50 (0%) O/50 (0%) Total O/300 (0%) Mean 0% Total O/50 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) Total 1/300 (0.33%) Mean 0.33% SD 0.82% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) Mean 0% SD 0% Panign 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) Mean 0% SD 0% Total 0/300 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) Mean 0% SD 0%	0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 1/50 (0%) Total 1/300 (0.33%) Mean 0.33% SD 0.82% Total 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) 0/50 (0%) 0/50 (0%) Total 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) 0/50 (0%) 0/50 (0%) Total 0/300 (0%) Mean 0% SD 0% Total	0/50 (0%) 0/50	O/50 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Male Female #Harderian Gland: Adenoma 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 **Overall Incidence** Total 1/300 (0.33%) Mean 0.33% SD 0.82% 0/250 (0%) Mean 0% SD 0% Total #Harderian Gland: Carcinoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)1/50 (2%) 0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total Mean 0.33% SD 0.82% 0/250 SD 0% 1/300 (0.33%) Total Mean 0% #Harderian Gland: Carcinoma or Adenoma 0/50 (0%)0/50 (0%)(2%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%) 0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** SD 0% Total 2/300 (0.67%) Mean 0.67% SD 1.03% Total 0/250 Mean 0% *Heart: Schwannoma Benign 0/50 (0%)0/50 (0%)1/50 (2%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)**Overall Incidence** 1/300 (0.33%) SD 0.82% SD 1.1% Total Mean 0.33% Total 2/250 (0.8%)Mean 0.8% *Heart: Schwannoma Malignant 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/300 (0%)Mean 0% SD 0% Total 1/250 (0.4%)Mean 0.4% SD 0.89%

Page: 221

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 222

			Male				Female	
fIntestine Large: Colon/Rectum: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/=0 (00/)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Intestine Large: Colon/Rectum: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Intestine Large: Colon/Rectum: Carcinoma or Adenoma			•••••					•••••
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Intestine Large: Colon/Rectum: Leiomyosarcoma			•••••		•••••			
Leiomyodarooma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Intestine Small: Duodenum: Carcinoma					•••••			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Normall Impidance	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #Intestine Small: Duodenum: Leiomyoma 0/50 (0%)0/50 0/50 (0%)1/50 (2%)0/50 (0%)(0%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/300 (0%) Mean 0% SD 0% 1/250 (0.4%) Mean 0.4% SD 0.89% Total #Intestine Small: Jejunum: Leiomyoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/300 (0%) Mean 0% SD 0% 0/250 (0%) SD 0% Total Mean 0% #Intestine Small: Jejunum: Leiomvosarcoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** SD 0% SD 0.89% Total 0/300 (0%) Mean 0% Total 1/250 (0.4%) Mean 0.4% #Intestine Small: Site Unspecified: Carcinoma (0%)0/50 (0%)0/50 (0%)0/50 0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** 0/300 (0%) SD 0% SD 0% Total Mean 0% Total 0/250 (0%) Mean 0% #Intestine Small: Site Unspecified: Carcinoma or Adenoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/300 (0%)Mean 0% SD 0% Total 0/250 (0%)Mean 0% SD 0%

Page: 223

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 224

			Male				Female	
Intestine Small: Site Unspeci	fied:							
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Intestine Small: Site Unspeci								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Islets, Pancreatic: Adenoma				•••••			•••••	
		4/50 (8%)	3/50 (6%)	3/49 (6%)		2/50 (4%)	3/49 (6%)	
		5/48 (10%)	5/49 (10%)	3/50 (6%)		0/47 (0%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	23/296 (7.77%)	Mean 7.79%	SD 2.1%	Total	8/246 (3.25%)	Mean 3.22%	SD 2.32%
Islets, Pancreatic:				•••••				
		0/50 (0%)	2/50 (4%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	
		0/48 (0%)	1/49 (2%)	2/50 (4%)		0/47 (0%)	0/50 (0%)	1/50 (2%)
verall Incidence	Total	5/296 (1.69%)	Mean 1.67%	SD 1.97%	Total	1/246 (0.41%)	Mean 0.4%	SD 0.89%
Islets, Pancreatic: Carcinoma or Adenoma	•••••							
		4/50 (8%)	5/50 (10%)	3/49 (6%)		2/50 (4%)	3/49 (6%)	0.50 (00.1)
	-	5/48 (10%)	6/49 (12%)	5/50 (10%)	-	0/47 (0%)	1/50 (2%)	3/50 (6%)
Overall Incidence	Total	28/296 (9.46%)	Mean 9.46%	SD 2.12%	Total	9/246 (3.66%)	Mean 3.62%	SD 2.64%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 225

Report Date: 10/04/2007

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male		Female	
*Kidney: Pelvis and Transit Carcinoma	tional Epitheliui		0/50 (001)	(00)	0/50 (00/) 0/50 (00/)	
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/49 0/49 (0%) 0/47	(0%) (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/294 (0%)	Mean 0% SD ()% Total	0/250 (0%) Mean 0%	SD 0%
*Kidney: Pelvis and Transit Carcinoma or Adenoma	tional Epitheliui					
		0/50 (0%)	0/50 (0%) 0/49	(0%)	0/50 (0%) 0/50 (0%)	0/50 (00/)
Overall Incidence	Total	0/49 (0%)	0/49 (0%) 0/47 Mean 0% SD 0	(0%)	0/50 (0%) 0/50 (0%) 0/250 (0%) Mean 0%	0/50 (0%) SD 0%
	Total	0/294 (0%)	iviean 0% SD (SD 0%
*Kidney: Pelvis and Transi Papilloma						
·		0/50 (0%)	0/50 (0%) 0/49	(0%)	0/50 (0%) 0/50 (0%)	0(50 (00))
Overall Incidence	Total	0/49 (0%) 0/294 (0%)	0/49 (0%) 0/47 Mean 0% SD 0	(0%)	0/50 (0%) 0/50 (0%) 0/250 (0%) Mean 0%	0/50 (0%) SD 0%
	Total	,	Wealt 0% SD (,	3D 0%
Kidney: Renal Tubule: Adenoma						
		0/50 (0%)	0/50 (0%) 0/49	(0%)	0/50 (0%) 1/50 (2%)	0/50 (00/)
Overall Incidence	Total	1/49 (2%) 1/294 (0.34%)	0/49 (0%) 0/47 Mean 0.34% SD 0	(0%)).83% Total	0/50 (0%) 0/50 (0%) 1/250 (0.4%) Mean 0.4%	0/50 (0%) SD 0.89%
Werall incluence	TOTAL	1/294 (0.34%)	iviean 0.34% SD (7.03% Total	1/250 (0.4%) Weatt 0.4%	3D 0.09%
Kidney: Renal Tubule: Carcinoma						•••••
		0/50 (0%)	0/50 (0%) 0/49	(0%)	0/50 (0%) 0/50 (0%)	
Overell Incidence	Total	0/49 (0%)	0/49 (0%) 0/47	(0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/294 (0%)	Mean 0% SD 0	0% Total	0/250 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 226

			Male				Female	
Kidney: Renal Tubule: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	
		1/49 (2%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/294 (0.34%)	Mean 0.34%	SD 0.83%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/294 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Lipoma				•••••		•••••	•••••	
·		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/294 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Liposarcoma				•••••		•••••		
•		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/294 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Mesenchymal Tumor Beni		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

SISIOII. OCIZOO7

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 227

			Male				Female	
Kidney: Renal Tubule: Nephroblastoma								
•		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/294 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0./50 (004)
	T-1-1	0/49 (0%)	0/49 (0%)	0/47 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/294 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
_iver: Cholangiocarcinoma								
_		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
iver: Cholangioma			•••••	•••••		•••••		
Onolangionia		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Liver: Hemangiosarcoma					•••••			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Toxicology Data Management System

Species: RATS Strain: F344

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 228

			Male				Female	
Liver: Hepatocellular Adenoma		2/22 (22)		(224)			2/22 (22)	
		0/50 (0%) 1/50 (2%)	2/50 (4%) 1/5 0/50 (0%) 0/5	` '		1/50 (2%) 2/50 (4%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/300 (1.33%)	` '	SD 1.63%	Total	3/250 (1.2%)	Mean 1.2%	0/50 (0%) SD 1.79%
Liver: Hepatocellular Carcinoma								
•		0/50 (0%)	0/50 (0%) 0/5			0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/5	` ,		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinoma	or Hepatob	lastoma						
		0/50 (0%)	0/50 (0%) 0/5			0/50 (0%)	0/50 (0%)	0/50 (00/)
O	T-1-1	0/50 (0%)	0/50 (0%) 0/5	` ,	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinoma	or Hepatoc	ellular Adenoma						
		0/50 (0%)	2/50 (4%) 1/5	0 (2%)		1/50 (2%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%) 0/5	` ,		2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%
Liver: Hepatocellular Carcinoma Hepatoblastoma	, Hepatocell	ular Adenoma, or						
		0/50 (0%)	2/50 (4%) 1/5			1/50 (2%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%) 0/5	` ,		2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 229

			Male				Female	
Lung: Alveolar/Bronchiolar A	donomo							
Alveolal/Broticillolal Al	uenoma	4/50 (8%)	2/50 (4%)	0/50 (0%)		4/50 (8%)	1/50 (2%)	
		2/50 (4%)	3/50 (6%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	12/300 (4%)	Mean 4%	SD 2.83%	Total	8/250 (3.2%)	Mean 3.2%	SD 2.68%
Lung:								
Alveolar/Bronchiolar Ca	arcinoma	0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	3/50 (6%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	6/300 (2%)	Mean 2%	SD 2.19%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
Lung: Alveolar/Bronchiolar Ca Adenoma	arcinoma or Alv							
		4/50 (8%)	3/50 (6%)	1/50 (2%)		4/50 (8%)	1/50 (2%)	0/50 (404)
Overell Incidence	Total	2/50 (4%)	4/50 (8%)	4/50 (8%)	Total	2/50 (4%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	18/300 (6%)	Mean 6%	SD 2.53%	Total	10/250 (4%)	Mean 4%	SD 2.45%
Lung: Hemangiosarcoma								
Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Lung: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0.750 (00.4)
Normall In aldon as	Tatal	1/50 (2%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 230

			Male				Female	
Lung: Squamous Cell Carcinoma								
·		0/50 (0%)		/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	` '	/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Lymph Node, Mesenteric: Sarcoma								
		0/50 (0%)		/50 (0%)		0/50 (0%)	0/50 (0%)	2 (22 (22)
		0/50 (0%)	` '	/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Mammary Gland: Adenoma								
		0/50 (0%)		/50 (2%)		2/50 (4%)	0/50 (0%)	
		0/50 (0%)	` '	/50 (0%)		0/50 (0%)	0/50 (0%)	3/50 (6%)
verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	5/250 (2%)	Mean 2%	SD 2.83%
Mammary Gland: Carcinoma								
		1/50 (2%)	0/50 (0%) 0	/50 (0%)		0/50 (0%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%) 0	/50 (0%)		3/50 (6%)	2/50 (4%)	3/50 (6%)
overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	9/250 (3.6%)	Mean 3.6%	SD 2.61%
Mammary Gland: Carcinoma or Adenoma								
		1/50 (2%)		/50 (2%)		2/50 (4%)	1/50 (2%)	0/50 /4000
N	T-1-1	1/50 (2%)	` '	/50 (0%)	T-1-1	3/50 (6%)	2/50 (4%)	6/50 (12%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.03%	Total	14/250 (5.6%)	Mean 5.6%	SD 3.85%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 231

			Male				Female	
Mammary Gland:								
Fibroadenoma		2/50 (4%)	3/50 (6%)	1/50 (2%)		37/50 (74%)	43/50 (86%)	
		4/50 (8%)	6/50 (12%)	2/50 (4%)		32/50 (64%)	31/50 (62%)	33/50 (66%)
verall Incidence	Total	18/300 (6%)	Mean 6%	SD 3.58%	Total	176/250 (70.4%)	Mean 70.4%	SD 9.84%
Mammary Gland: Fibroma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Mammary Gland: Fibroma, Fibroadenor	ma or Adenoma							
		2/50 (4%)	3/50 (6%)	2/50 (4%)		37/50 (74%)	43/50 (86%)	0=(=0 (=00)
		4/50 (8%)	6/50 (12%)	2/50 (4%)		32/50 (64%)	31/50 (62%)	35/50 (70%)
verall Incidence	Total	19/300 (6.33%)	Mean 6.33%	SD 3.2%	Total	178/250 (71.2%)	Mean 71.2%	SD 9.55%
Mammary Gland: Fibroma, Fibroadenor	na. Carcinoma. o	or Adenoma						
	.,	3/50 (6%)	3/50 (6%)	2/50 (4%)		37/50 (74%)	43/50 (86%)	
		5/50 (10%)	6/50 (12%)	2/50 (4%)		32/50 (64%)	31/50 (62%)	37/50 (74%)
verall Incidence	Total	21/300 (7%)	Mean 7%	SD 3.29%	Total	180/250 (72%)	Mean 72%	SD 9.59%
Mesentery: Fibrosarcoma						•••••	•••••	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 232

			Male				Female	
Mesentery: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
	.	0/50 (0%)	0/50 (0%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Mesentery: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (004)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
Mesentery: Rhabdomyosarcoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
Nose: Adenoma					•••••			
Auerionia		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Nose: Chondroma					•••••			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	0/49 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
verali incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 233

			Male				Female	
Nose:								
Sarcoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
Nose:				•••••		• • • • • • • • • • • • • • • • • • • •		
Squamous Cell Carcino	oma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	0/49 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		0/298 (0%)		SD 0%	Total	0/250 (0%)	wean 0%	SD 0%
Oral Cavity (Oral Mucosa, Papilloma Squamous o	Tongue, Phary							
i apinoma oquamous o	птаршоша	0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%
Oral Cavity (Oral Mucosa,		nx, Tooth, Gingiva):						
Squamous Cell Carcino	oma	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucosa, Squamous Cell Carcino Papilloma								
ι αμιιιυπα		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: F344

Toxicology Data Management System

Page: 234

Report Date: 10/04/2007

Contract/Lab: All Laboratories

Species: RATS

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Male **Female #Oral Mucosa: Squamous Cell Carcinoma** 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%)(0%)(0%) 0/50 0/50 0/50 (0%)0/50 0/50 0/50 (0%)**Overall Incidence** Total 0/300 (0%) Mean 0% SD 0% Total 0/250 (0%) Mean 0% SD 0% #Oral Mucosa: **Squamous Cell Papilloma** 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total Mean 0% SD 0% Total SD 0.89% 0/300 (0%) 1/250 (0.4%) Mean 0.4% *Ovary: **Granulosa Cell Tumor Benign** 0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)**Overall Incidence** SD 0.89% Total 1/249 (0.4%) Mean 0.4% *Ovary: **Granulosa Cell Tumor Malignant** 0/490/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Mean 0% SD 0% Total 0/249 Granulosa Cell Tumor: Benign, Malignant, NOS 0/50 0/50 (0%)0/50 (0%)1/50 (2%)

.....

Total

1/249

(0.4%)

Mean 0.4%

SD 0.89%

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Page: 235

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

			Male		Female
*Ovary: Granulosa-Theca Tumor B	enian				
Granalosa Triosa Tamor B	og			`	%) 0/50 (0%)
Overall Incidence				Total 1/249 (0.4%	<i>'</i>
*Pancreas:					
		1/50 (2%) 0/48 (0%)	2/50 (4%) 3/49 (6%) 1/49 (2%) 0/49 (0%)	`	%) 0/50 (0%) %) 0/50 (0%) 2/50 (4%)
Overall Incidence	Total	7/295 (2.37%)	Mean 2.36% SD 2.38%	Total 2/247 (0.81	, , , , , , , , , , , , , , , , , , , ,
*Pancreas: Carcinoma					
		0/50 (0%)	0/50 (0%) 0/49 (0%)	`	%) 0/50 (0%)
Overall Incidence	Total	0/48 (0%) 0/295 (0%)	0/49 (0%) 0/49 (0%) Mean 0% SD 0%	0/47 (0 Total 0/247 (0%)	%) 0/50 (0%) 0/50 (0%) Mean 0% SD 0%
*Pancreas:					
Carcinoma or Adenoma		1/50 (2%)	2/50 (4%) 3/49 (6%)	0/50 (0	%) 0/50 (0%)
		0/48 (0%)	1/49 (2%) 0/49 (0%)	`	%) 0/50 (0%) 2/50 (4%)
Overall Incidence	Total	7/295 (2.37%)	Mean 2.36% SD 2.38%	Total 2/247 (0.81	,
*Pancreas: Mixed Tumor Benign					
		0/50 (0%) 0/48 (0%)	0/50 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%)	•	%)
Overall Incidence	Total	0/295 (0%)	Mean 0% SD 0%	Total 0/247 (0%)	Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 236

			Male				Female	
Parathyroid Gland: Adenoma								
Auenoma		0/46 (0%)	0/44 (0%)	0/48 (0%)		0/46 (0%)	0/42 (0%)	
		0/50 (0%)	1/46 (2%)	0/49 (0%)		0/50 (0%)	0/42 (0%)	0/47 (0%)
verall Incidence	Total	1/283 (0.35%)	Mean 0.36%	SD 0.89%	Total	0/227 (0%)	Mean 0%	SD 0%
Peripheral Nerve: Schwannoma Malignant								
Schwannoma Mangham		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Schwannoma: Benign, Ma	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/250 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Pituitary Gland: Pars Distalis Adenoma			•••••				•••••	
Adenoma		16/50 (32%)	23/48 (48%)	22/49 (45%)		28/50 (56%)	28/50 (56%)	
		23/50 (46%)	24/50 (48%)	16/48 (33%)		26/50 (52%)	27/49 (55%)	23/49 (47%)
overall Incidence	Total	124/295 (42.03%)	Mean 42.02%	SD 7.36%	Total	132/248 (53.23%)	Mean 53.21%	SD 3.87%
Pituitary Gland: Pars Distalis Carcinoma								
		0/50 (0%)	0/48 (0%)	0/49 (0%)		2/50 (4%)	0/50 (0%)	4/40 (001)
Overall Incidence	Tatal	0/50 (0%)	0/50 (0%)	0/48 (0%)	Tatal	0/50 (0%)	0/49 (0%)	1/49 (2%)
Jverali incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	3/248 (1.21%)	Mean 1.21%	SD 1.79%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Page: 237

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Male Female *Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 16/50 (32%)(48%)22/49 (45%)(60%)(56%)23/50 (46%)24/50 (48%)16/48 (33%)26/50 (52%)27/49 (55%)24/49 (49%) **Overall Incidence** Total 124/295 (42.03%) Mean 42.02% SD 7.36% 135/248 (54.44%) Mean 54.42% SD 4.17% Total *Pituitary Gland: Pars Intermedia: Adenoma 0/50 (0%)0/48 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/48 (0%)1/50 (2%)0/49 (0%)1/49 (2%)**Overall Incidence** 0/295 (0%) Mean 0% SD 0% SD 1.11% Total Total 2/248 (0.81%) Mean 0.81% *Pituitary Gland: Pars Intermedia: Carcinoma 0/50 (0%)0/48 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/48 (0%) 0/50 (0%)0/49 (0%)0/49 (0%)**Overall Incidence** SD 0% SD 0% Total 0/295 (0%) Mean 0% Total 0/248 (0%) Mean 0% *Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma (0%)0/50 (0%)0/48 (0%)0/49 0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/48 (0%)1/50 (2%)0/49 (0%)(2%)**Overall Incidence** 0/295 (0%) SD 0% SD 1.11% Total Mean 0% Total 2/248 (0.81%) Mean 0.81% *Prostate: Adenoma (4%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)**Overall Incidence** Total 2/299 (0.67%)Mean 0.67% SD 1.63%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 238

Report Date: 10/04/2007

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

			Male	Female
Prostate: Carcinoma or Adenoma				
		2/50 (4%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 2/299 (0.67%)	0/49 (0%) 0/50 (0%) Mean 0.67% SD 1.63%	
Salivary Glands:	•••••	•••••		
Sarcoma		0/50 (00/)	0/50 (00/) 0/50 (00/)	0/50 (00/) 0/50 (00/)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0% SD 0%	Total 0/250 (0%) Mean 0% SD 0%
Salivary Glands: Schwannoma Malignant				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
wanali laadaanaa	Tatal	0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) Tatal 0/650 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0% SD 0%	Total 0/250 (0%) Mean 0% SD 0%
Skeletal Muscle: Fibrosarcoma				
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) 0/50 (0%) Mean 0.33% SD 0.82%	0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/250 (0%) Mean 0% SD 0%
		` '		10tal 0/200 (0/0) Modifi 0/0 05 0/0
Skeletal Muscle: Hemangioma				
•		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	1/50 (2%) 1/300 (0.33%)	0/50 (0%) 0/50 (0%) Mean 0.33% SD 0.82%	0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/250 (0%) Mean 0% SD 0%
veran incluence	TOTAL	1/300 (0.33%)	IVICALI 0.33% 3D 0.02%	Total 0/230 (0%) Weatt 0% 3D 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 239

			Male				Female	
Skeletal Muscle: Hemangiosarcoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	- / / /
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Lipoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Rhabdomyosarcoma						•••••		
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Rhabdomyosarcoma or			•••••			•••••		
•	•	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Sarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
N	T-1-1	1/50 (2%)	0/50 (0%)	0/50 (0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 240 Report Date: 10/04/2007

			Male				Female	
Skin: Basal Cell Adenoma								
Busur Gen Auenoma		2/50 (4%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 1.97%	Total	0/250 (0%)	Mean 0%	SD 0%
Skin:	•••••							
Basal Cell Adenoma or E	Basosquamou		0/50 (00/)	4/50 (00/)		0/50 (00/)	0/50 (00/)	
		2/50 (4%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	1/50 (2%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 1.97%	Total	0/250 (0%)	Mean 0%	SD 0%
		0,000 (1.07,70)	Wicaii 1.07 /0	05 1.07 /0	ı otal	0/200 (0/0)	Wicaii 070	05 070
Skin: Basal Cell Adenoma, Bas Trichoepithelioma	sosquamous [·]	Tumor Benign, or 2/50 (4%) 1/50 (2%)	3/50 (6%) 2/50 (4%)	1/50 (2%) 1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	2/50 (4%)
Overall Incidence	Total	10/300 (3.33%)	Mean 3.33%	SD 1.63%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%
Skin:								
Basal Cell Carcinoma		0/50 (00/)	0/50 (00/)	4/50 (00/)		0/50 (00/)	0/50 (00/)	
		0/50 (0%) 1/50 (2%)	0/50 (0%) 2/50 (4%)	1/50 (2%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)
verall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
· · · · · · · · · · · · · · · · · · ·		47000 (1.0070)	Wican 1.0070	05 1.0070		17200 (0.470)	Wicair 0.470	0.0070
Skin: Basal Cell Carcinoma or NOS)	Basosquamo	us Tumor (malignant o	г					
-,		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 241

			Male				Female	
Skin: Basal Cell Carcinoma, Tumor (benign, malign								
(a	,,	2/50 (4%)	3/50 (6%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	
		2/50 (4%)	4/50 (8%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	3/50 (6%)
verall Incidence	Total	14/300 (4.67%)	Mean 4.67%	SD 2.07%	Total	3/250 (1.2%)	Mean 1.2%	SD 2.68%
Skin: Basal or Sq. Cell Carci or B), Basal Cell Adenc	oma, Adenoma,	Papilloma, Sq			•••••			
Papilloma, Keratoacan	tnoma, i ricnoe	5/50 (10%)	6/50 (12%)	4/50 (8%)		1/50 (2%)	0/50 (0%)	
		7/50 (14%)	11/50 (22%)	5/50 (10%)		1/50 (2%)	0/50 (0%)	3/50 (6%)
verall Incidence	Total	38/300 (12.67%)	Mean 12.67%	SD 5.01%	Total	5/250 (2%)	Mean 2%	SD 2.45%
Skin: Fibroma Overall Incidence	Total	8/50 (16%) 5/50 (10%) 43/300 (14.33%)	7/50 (14%) 8/50 (16%) Mean 14.33%	6/50 (12%) 9/50 (18%) SD 2.94%	Total	1/50 (2%) 1/50 (2%) 7/250 (2.8%)	1/50 (2%) 0/50 (0%) Mean 2.8%	4/50 (8%) SD 3.03%
Skin: Fibroma, Fibrosarcoma Fibrous Histiocytoma	a, Sarcoma, Myx	koma, Myxosarcoma, or						
		11/50 (22%)	8/50 (16%)	7/50 (14%)		1/50 (2%)	1/50 (2%)	
		6/50 (12%)	9/50 (18%)	10/50 (20%)		1/50 (2%)	1/50 (2%)	4/50 (8%)
verall Incidence	Total	51/300 (17%)	Mean 17%	SD 3.74%	Total	8/250 (3.2%)	Mean 3.2%	SD 2.68%
Skin: Fibrosarcoma	•••••			•••••				•••••
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/=0 (00:)
Overell Incidence	Total	0/50 (0%)	0/50 (0%)	1/50 (2%)	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Page: 242

			Male		Female							
#Skin: Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma												
•		3/50 (6%)	1/50 (2%) 1/50 (2%)		0/50 (0%)							
Overall Incidence	Total	1/50 (2%) 8/300 (2.67%)	1/50 (2%) 1/50 (2%) Mean 2.67% SD 1.63%	,	1/50 (2%) 0/50 (0%) Mean 0.4% SD 0.89%							
Skin:												
Fibrous Histiocytoma		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)							
		0/50 (0%)	1/50 (2%) 0/50 (0%)	,	0/50 (0%) 0/50 (0%)							
verall Incidence	Total	1/300 (0.33%)	Mean 0.33% SD 0.82%	,	Mean 0% SD 0%							
Skin: Hemangioma												
•		1/50 (2%)	0/50 (0%) 0/50 (0%)		0/50 (0%)							
	-	1/50 (2%)	0/50 (0%) 0/50 (0%)	` ,	0/50 (0%) 0/50 (0%)							
verall Incidence	Total	2/300 (0.67%)	Mean 0.67% SD 1.03%	, ,	Mean 0% SD 0%							
Skin: Hemangiosarcoma												
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	` ,	0/50 (0%) 0/50 (0%) 0/50 (0%)							
verall Incidence	Total	0/300 (0%)	Mean 0% SD 0%	Total 0/250 (0%)	Mean 0% SD 0%							
····		0,000 (070)	Wicaii 070 GD 070	10161 0/200 (070)	Mican 070 GD 070							
Skin: Keratoacanthoma												
		2/50 (4%)	1/50 (2%) 3/50 (6%)		0/50 (0%)							
Overall Incidence	Total	3/50 (6%) 19/300 (6.33%)	6/50 (12%) 4/50 (8%) Mean 6.33% SD 3.44%	` ,	0/50 (0%) 0/50 (0%) Mean 0.4% SD 0.89%							
Trefail illelacife	i Otai	13/300 (0.33/8)	Wicaii 0.5576 SD 5.4476	10(a) 1/250 (0.470)	Wican 0.470 3D 0.0970							

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 243

			Male		Female	
Skin:						
Lipoma		0/50 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%)	
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%) 1/50	(2%)
verall Incidence	Total	1/300 (0.33%)	Mean 0.33% SD 0.8	82% Total 1/250 (0	0.4%) Mean 0.4% SD (0.89%
Skin: Liposarcoma	•••••					
•		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%)	
		0/50 (0%)	` '	(0%) 0/50	(0%) 0/50 (0%) 0/50	(0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33% SD 0.8	82% Total 0/250 (0	0%) Mean 0% SD 0	0%
Skin: Neural Crest Tumor						
		0/50 (0%)	,	(0%) 0/50	(0%) 0/50 (0%)	
		1/50 (2%)	` ,	(2%) 0/50	(0%) 0/50 (0%) 1/50	(2%)
verall Incidence	Total	3/300 (1%)	Mean 1% SD 1.	1% Total 1/250 (0	0.4%) Mean 0.4% SD 0	0.89%
Skin: Neurofibroma or Schwa	nnoma benign					
	g	0/50 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%) 0/50	(0%)
verall Incidence	Total	0/300 (0%)	Mean 0% SD 0%	% Total 0/250 (0	0%) Mean 0% SD 0	0%
#Skin: Neurofibrosarcoma or S		malignant or NOS)			(00/) 0/50 (00/)	
		0/50 (0%) 0/50 (0%)		(0%) 0/50 (0%) 0/50	(0%) 0/50 (0%) (0%) 0/50 (0%) 0/50	(0%)
Overall Incidence	Total	0/300 (0%)	Mean 0% SD 0%	` ,	()	0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Report Date: 10/04/2007

Page: 244

			Male				Female			
#Skin: Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)										
. J		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%		
#Skin: Osteosarcoma										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Skin:										
Sarcoma		2/50 (4%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/50 (2%) 4/300 (1.33%)	0/50 (0%) Mean 1.33%	0/50 (0%) SD 1.63%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Skin:								•••••		
Schwannoma Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%		
#Skin: Schwannoma Malignant	•••••									
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Report Date: 10/04/2007

Page: 245

			Male				Female	
#Skin:								
Squamous Cell Carcinom	a	4/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	
		1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/250 (0%)	Mean 0%	SD 0%
		_,,				0,200 (0,0)		
#Skin:								
Squamous Cell Carcinom								
Basosquamous Tumor (m	alignant or r	1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	2/50 (4%)	0/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 1.51%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
,		3,000 (1.0770)	WIGGIT 1.07 /0	1.0170	10101	1,200 (0.470)	WIGGIT 0.770	0.0070
¢Skin:								
Squamous Cell Papilloma								
		1/50 (2%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		2/50 (4%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	7/300 (2.33%)	Mean 2.33%	SD 2.34%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin:								
Squamous Cell Papilloma	or Papillom	a						
•	•	1/50 (2%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		2/50 (4%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	7/300 (2.33%)	Mean 2.33%	SD 2.34%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin:								
Squamous Cell Papilloma		Squamous Cell						
Carcinoma or Keratoacan	tnoma	1/FO (99/)	4/50 (99/.)	3/50 (69/.)		1/50 (20/)	0/50 (0%)	
		4/50 (8%) 6/50 (12%)	4/50 (8%) 7/50 (14%)	3/50 (6%) 4/50 (8%)		1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/30 (12%)	1/30 (14%)	4 /30 (0 <i>/</i> 0)		1/30 (2/0)	0/30 (0/0)	0/30 (0/0)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 246

			Male				Female	
Skin: Squamous Cell Papilloma	Papilloma	or Keratoacanthoma						
	, - ара,	3/50 (6%)	4/50 (8%)	3/50 (6%)		1/50 (2%)	0/50 (0%)	
		5/50 (10%)	7/50 (14%)	4/50 (8%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	26/300 (8.67%)	Mean 8.67%	SD 3.01%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
Skin:								
Trichoepithelioma								
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (40/)
	-	1/50 (2%)	0/50 (0%)	1/50 (2%)	+	0/50 (0%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 2.34%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%
Skin: Sebaceous Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin: Sebaceous Gland: Carcinoma								
Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

ersion. Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 247

			Male				Female	
Spinal Cord: Astrocytoma Benign		0/50 (00/)	0/50 (00/)	0/50 /00/)		0/50 (00/)	0/50 /00/	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (00/)
verall Incidence	Total	0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		` ,				` ,		
Spleen: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Normall Institutes	Tatal	0/50 (0%)	0/49 (0%)	0/48 (0%)	Tatal	0/47 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	0/247 (0%)	Mean 0%	SD 0%
Spleen: Hemangioma			•••••			•••••		
•		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/48 (0%)		0/47 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	0/247 (0%)	Mean 0%	SD 0%
Spleen: Hemangiosarcoma			•••••			•••••		
G		0/50 (0%)	0/50 (0%)	1/48 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/48 (0%)		0/47 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/295 (0.34%)	Mean 0.35%	SD 0.85%	Total	0/247 (0%)	Mean 0%	SD 0%
Spleen: Leiomyosarcoma					•••••			
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Nevell Incidence	Total	0/50 (0%)	0/49 (0%)	0/48 (0%)	Total	0/47 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	0/247 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Toxicology Data Management System

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 248

			Male				Female	
Stomach, Forestomach: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0.(=0 (00.))
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0 (=0 (00))
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Squamous Cell Carcinoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Stomach, Forestomach:	D:							•••••
Squamous Cell Carcinoma	or Papillon	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

			Male				Female
#Stomach, Glandular: Leiomyosarcoma							
·		0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/30 (0%)	Mean 0% SD 0%
#Stomach, Glandular: Lipoma	•••••						
		1/50 (2%) 0/50 (0%)	` ,	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0% SD 0%
*Testes:	•••••						
		48/50 (96%)		45/50 (90%)			
Overall Incidence	Total	41/50 (82%) 274/300 (91.33%)	49/50 (98%) Mean 91.33%	45/50 (90%) SD 5.61%			
*Thymus: Sarcoma	•••••						
		0/48 (0%)	()	0/48 (0%)		0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/49 (2%) 1/285 (0.35%)	0/43 (0%) (Mean 0.34%	0/48 (0%) SD 0.83%	Total	0/49 (0%) 0/246 (0%)	0/48 (0%) 0/49 (0%) Mean 0% SD 0%
*Thymus: Thymoma Benign		0/40 (00/)	0/40 (00/)	0/40 (00/)		0/50 /00/)	0/50 (00/)
		0/48 (0%) 1/49 (2%)	()	0/48 (0%) 0/48 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/48 (0%) 0/49 (0%)
Overall Incidence	Total	1/285 (0.35%)	Mean 0.34%	SD 0.83%	Total	0/246 (0%)	Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 249

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female *Thymus: Thymoma Malignant 0/48 (0%)0/49 0/48 (0%)0/50 (0%)0/50 (0%)(0%)(0%)0/49 0/43 (0%)0/48 (0%)0/49 0/48 (0%)0/49 (0%)**Overall Incidence** Total 0/285 (0%) Mean 0% SD 0% 0/246 (0%) Mean 0% SD 0% Total *Thymus: Thymoma: Benign, Malignant, NOS 0/48 (0%)0/48 (0%)0/50 (0%)0/50 (0%)1/49 (2%)(0%)0/48 (0%)0/49 (0%)0/48 (0%)0/49 (0%)**Overall Incidence** Total 1/285 (0.35%) Mean 0.34% SD 0.83% 0/246 (0%) SD 0% Total Mean 0% *Thyroid Gland: C-Cell: Adenoma 5/50 (10%)3/50 (6%)(17%)8/50 (16%)(12%)6/50 (12%)10/49 (20%)9/47 (19%)6/50 (12%) 6/46 (13%)12/47 (26%)**Overall Incidence** SD 5.71% SD 5.69% Total 41/292 (14.04%) Mean 14.16% Total 38/242 (15.7%) Mean 15.76% *Thyroid Gland: C-Cell: Carcinoma 1/50 (2%)1/50 (2%)1/46 (2%)2/50 (4%)1/49 (2%)1/50 (2%)1/49 (2%)2/47 (4%)0/50 (0%)0/46 (0%)(2%)**Overall Incidence** 7/292 (2.4%) SD 0.91% SD 1.68% Total Mean 2.41% Total 4/242 (1.65%) Mean 1.63% *Thyroid Gland: C-Cell: Carcinoma or Adenoma (12%)6/50 9/46 (20%)(20%)(14%)7/50 (14%)11/49 (22%)11/47 (23%)6/50 (12%)6/46 (13%)13/47 (28%) **Overall Incidence** Total 48/292 (16.44%)Mean 16.57% SD 6.18% Total 42/242 (17.36%) Mean 17.4% SD 6.52%

Page: 250

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 251

			Male	Female
Thyroid Gland: Follicular Cell: Adenoma				
		0/50 (0%) 1/50 (2%)	2/50 (4%) 0/46 (0%) 0/49 (0%) 1/47 (2%)	0/50 (0%) 0/49 (0%) 0/50 (0%) 1/46 (2%) 0/47 (0%)
Overall Incidence	Total	4/292 (1.37%)	Mean 1.35% SD 1.64%	Total 1/242 (0.41%) Mean 0.43% SD 0.97%
Thyroid Gland: Follicular Cell: Carcinoma				
		0/50 (0%)	1/50 (2%) 0/46 (0%)	0/50 (0%) 0/49 (0%)
Overall Incidence	Total	0/50 (0%) 1/292 (0.34%)	0/49 (0%) 0/47 (0%) Mean 0.33% SD 0.82%	0/50 (0%) 0/46 (0%) 1/47 (2%) Total 1/242 (0.41%) Mean 0.43% SD 0.95%
Werall incluence	Total	1/292 (0.3476)	Wear 0.33% 3D 0.02%	10tal 1/242 (0.41%) Wealt 0.43% 3D 0.93%
Thyroid Gland: Follicular Cell: Carcinoma or Adenoma				
		0/50 (0%)	3/50 (6%) 0/46 (0%)	0/50 (0%) 0/49 (0%)
	Taral	1/50 (2%)	0/49 (0%) 1/47 (2%)	0/50 (0%) 1/46 (2%) 1/47 (2%)
verall Incidence	Total	5/292 (1.71%)	Mean 1.69% SD 2.34%	Total 2/242 (0.83%) Mean 0.86% SD 1.18%
Tissue NOS: Fibrosarcoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
	Taral	0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0% SD 0%	Total 0/250 (0%) Mean 0% SD 0%
Tissue NOS: Leiomyoma				
-		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Nevall Incidence	Total	0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33% SD 0.82%	Total 0/250 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Vehicle: WATER

Route: ORAL

Length of Study: CHRONIC

Female Male **#Tissue NOS:** Lipoma 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 0/50 (0%)**Overall Incidence** Total 0/300 (0%) Mean 0% SD 0% 0/250 (0%) Mean 0% SD 0% Total **#Tissue NOS:** Paraganglioma 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(2%) 0/50 (0%)(0%)1/50 0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total Mean 0.33% SD 0.82% 0/250 (0%) Mean 0% SD 0% 1/300 (0.33%) Total **#Tissue NOS:** Sarcoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** SD 0% SD 0% Total 0/300 (0%) Mean 0% Total 0/250 Mean 0% **#Tissue NOS:** Schwannoma Malignant 0/50 (0%)(0%)0/50 (0%)0/50 0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** 0/300 (0%) SD 0% SD 0% Total Mean 0% Total 0/250 (0%) Mean 0% **#Tonque:** Liposarcoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/300 (0%)Mean 0% SD 0% Total 0/250 (0%)Mean 0% SD 0%

Page: 252

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 253

			Male				Female	
fTongue:								
Squamous Cell Carcinoma	or Papillon		0/50 (00/)	4/50 (00/)		4/50 (00/)	0/50 (00/)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (00/)
	.	0/50 (0%)	0/50 (0%)	0/50 (0%)	-	0/50 (0%)	1/50 (2%)	0/50 (0%)
verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
Tongue: Squamous Cell Papilloma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
FTooth: Odontoma Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/250 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Urinary Bladder: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
overall Incidence	Total	1/297 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/249 (0%)	Mean 0%	SD 0%
Urinary Bladder: Carcinoma or Papilloma	•••••	0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/297 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/249 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: ORAL

Report Date:10/04/2007

Page: 254

Species: RATS Strain: F344

Vehicle: WATER

Length of Study: CHRONIC

			Male		Female				
Jrinary Bladder: Leiomyosarcoma		2/20 (20)	2/20 (20)			2/12 /22/2	(00)		
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/48 (0%)		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (00/)	
verall Incidence	Total	0/297 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/249 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
rinary Bladder: Papilloma		0.770 (00.4)	2/22 (221)	2/12 /22/		2/12 (22/)	2(72 (224)		
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/48 (0%)		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	
verall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%	
		,		02 0,0		` ,			
Jterus: Adenoma									
						1/50 (2%)	0/50 (0%)		
					-	0/50 (0%)	0/50 (0%)	0/50 (0%)	
verall Incidence					Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	
Iterus:									
Carcinoma						0/50 (0%)	0/50 (0%)		
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
verall Incidence					Total	0/250 (0%)	Mean 0%	SD 0%	
Jterus: Deciduoma Benign									
						0/50 (0%)	0/50 (0%)	0/50 (00/)	
verall Incidence					Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
veran miciuence					i Ulai	0/200 (0/0)	IVICALI U/0	3D 0/0	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 255

Report Date: 10/04/2007

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Uterus: Hemangioma 0/50 (0%)0/50 (0%)(0%) (0%) (0%) 0/50 0/50 0/50 **Overall Incidence** Total 0/250 (0%) Mean 0% SD 0% #Uterus: Hemangiosarcoma 0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%) 0/50 (0%)**Overall Incidence** Total 1/250 (0.4%) Mean 0.4% SD 0.89% #Uterus: Leiomyoma 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)**Overall Incidence** SD 0% Total 0/250 Mean 0% **#Uterus: Polyp Stromal** (20%)(18%)4/50 (8%)13/50 (26%)9/50 (18%)**Overall Incidence** 45/250 (18%)SD 6.48% Total Mean 18% **#Uterus:** Sarcoma Stromal 0/50 (0%)0/50 (0%)1/50 (2%)**Overall Incidence** Total 1/250 (0.4%)Mean 0.4% SD 0.89%

.....

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 256

Report Date: 10/04/2007

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Uterus: Sarcoma Stromal or Polyp Stromal (20%)9/50 (18%)4/50 (8%)13/50 (26%)10/50 (20%)**Overall Incidence** Total 46/250 (18.4%) Mean 18.4% SD 6.54% #Uterus: Schwannoma Malignant 0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%) 0/50 (0%)**Overall Incidence** Total 1/250 (0.4%) SD 0.89% Mean 0.4% #Vagina: Polyp 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** SD 0% Total 0/250 Mean 0% #Vagina: Sarcoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Mean 0% SD 0% Total 0/250 #Zymbal's Gland: Adenoma (0%)(0%)(0%)0/50 0/50 (0%)(0%)1/50 (2%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 1/300 (0.33%)Mean 0.33% SD 0.82% Total 0/250 (0%)Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 257

			Male		Female			
#Zymbal's Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03% T	Total 2/250 (0.8%) Mean 0.8% SD 1.1%			
#Zymbal's Gland: Carcinoma or Adenoma						•••••		
		0/50 (0%) 1/50 (2%)	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1% T	Total 2/250 (0.8%) Mean 0.8% SD 1.1%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 258

Report Date:10/04/2007

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
				Ma	ale		
Battelle Columbus Laboratory Southern Research Institute	059700307 059302007	07/10/02 04/24/00	728 729	50 (1) 50 (1)	25(680) 20(670)	510.4 484.2	1,2-Dibromo-2,4-dicyanobutane Diisopropylcarbodiimide
				Fer	nale		
Battelle Columbus Laboratory Southern Research Institute	059700307 059302007	07/11/02 04/24/00	729 731	50 (1) 50 (1)	29(695) 30(672)	337.8 319.5	1,2-Dibromo-2,4-dicyanobutane Diisopropylcarbodiimide

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Page: 259

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

			Male				Female	
#All Organs: Benign Tumors		(000)				(220)		
Overall Incidence	Total	46/50 (92%) 93/100 (93%)	47/50 (94%) Mean 93%	SD 1.41%	Total	46/50 (92%) 90/100 (90%)	44/50 (88%) Mean 90%	SD 2.83%
#All Organs: Malignant Tumors		22/50 (469/)	34/50 (68%)			45/50 (200/)	22/50 (449/)	
Overall Incidence	Total	23/50 (46%) 57/100 (57%)	34/50 (68%) Mean 57%	SD 15.56%	Total	15/50 (30%) 37/100 (37%)	22/50 (44%) Mean 37%	SD 9.9%
#All Organs: Malignant and Benign Tu	ımors	50/50 (100%)	50/50 (100%)			48/50 (96%)	48/50 (96%)	
Overall Incidence	Total	100/100 (100%)	Mean 100%	SD 0%	Total	96/100 (96%)	48/50 (96%) Mean 96%	SD 0%
#All Organs: Hemangioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Hemangiosarcoma		0/50 (09/)	0/50 (0%)			0/50 (0%)	0/50 (09/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Hemangiosarcoma or He	mangioma	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Vehicle: ETHANOL

Route: SKIN

Length of Study: CHRONIC

Page: 260

			Male				Female	
#All Organs: Histiocytic Sarcoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Leukemia: Lymphocytic, I Undifferentiated	Monocytic, N							
Overall Incidence	Total	17/50 (34%) 30/100 (30%)	13/50 (26%) Mean 30%	SD 5.66%	Total	10/50 (20%) 19/100 (19%)	9/50 (18%) Mean 19%	SD 1.41%
#All Organs: Malignant Lymphoma: His or Undifferentiated Cell Ty Overall Incidence		0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
All Organs: Mesothelioma: Benign Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
All Organs: Mesothelioma: Benign, M	alignant, NO	S 1/50 (2%)	1/50 (2%)	OD 04		0/50 (0%)	0/50 (0%)	OD 000
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
fAll Organs: Mesothelioma: Malignant		0/50 (09/)	1/50 (29/)			0/50 (09/)	0/50 (09/)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 261

			Male				Female	
#All Organs: Osteoma		2/22 (22)	2/22 (221)			2/22 (22)	2/72 (224)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Osteosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma or Osteoma		0/50 (0%)				0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Adrenal Cortex: Adenoma	•							
Overall Incidence	Total	3/50 (6%) 3/100 (3%)	0/50 (0%) Mean 3%	SD 4.24%	Total	0/50 (0%) 3/100 (3%)	3/50 (6%) Mean 3%	SD 4.24%
Adrenal Cortex: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Adrenal Medulla: Ganglioneuroma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Report Date: 10/04/2007

Page: 262

Male Female *Adrenal Medulla: Hemangioma 0/50 (0%)(0%)(0%)**Overall Incidence** Total 0/100 (0%) Mean 0% SD 0% Total 0/99 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Benign (10%)5/50 3/50 (6%)1/50 (0%)**Overall Incidence** SD 2.83% SD 1.41% Total 8/100 (8%) Mean 8% Total 1/99 (1.01%) Mean 1% *Adrenal Medulla: **Pheochromocytoma Complex** 0/50 (0%)0/50 (0%)0/50 (0%)0/49 (0%)**Overall Incidence** Total 0/100 (0%) Mean 0% SD 0% Total 0/99 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant (0%)(8%)(0%)0/50 0/50 0/49 Mean 4% Mean 0% **Overall Incidence** Total 4/100 (4%) SD 5.66% Total 0/99 (0%) SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS 5/50 (10%)6/50 (12%)1/50 0/49 **Overall Incidence** Total 11/100 (11%) Mean 11% SD 1.41% Total 1/99 (1.01%) Mean 1% SD 1.41% #Blood Vessel: Osteosarcoma (0%)(0%)0/50 (0%)**Overall Incidence** 0/100 (0%) SD 0% 0/100 (0%) SD 0% Total Mean 0% Total Mean 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Report Date: 10/04/2007

Page: 263

			Male				Female	
#Bone: Chondrosarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Chondrosarcoma or Chond								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Chordoma		0/50 /00()	0/50 (00)		•••••	0/50 /00/	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Osteoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Bone: Osteosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/30 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma or Osteoma		0/50 (00/)	0/50 (00)			0/50 /00/	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 264

			Male				Female	
*Brain: Astrocytoma Malignant Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Ependymoma Benign		0/50 (0%)	0/50 (0%)	•••••	•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Glioma Malignant Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Granular Cell Tumor Benign Overall Incidence		0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Medulloblastoma Mal Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Meningioma Malignant								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Page: 265

Report Date:10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

			Male				Female	
*Brain: Meningioma: Benign, Mali	gnant, NOS	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma Benig		0/50 (0%)	0/50 (0%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma Maligr		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma, Glion	na, or Astroc		1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Clitoral/Preputial Gland: Adenoma		2/50 (4%)	1/50 (2%)			6/50 (12%)	2/50 (4%)	
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	8/100 (8%)	Mean 8%	SD 5.66%
*Clitoral/Preputial Gland: Carcinoma								
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: RATS
Strain: F344

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 266

			Male				Female	
*Clitoral/Preputial Gland: Carcinoma or Adenoma		0/50 (40/)	0/50 (40())			0/50 (400)	4/50 (00/)	
Overall Incidence	Total	2/50 (4%) 4/100 (4%)	2/50 (4%) Mean 4%	SD 0%	Total	6/50 (12%) 10/100 (10%)	4/50 (8%) Mean 10%	SD 2.83%
Clitoral/Preputial Gland: Fibrosarcoma					•••••			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Clitoral/Preputial Gland: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)	•••••	•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Ear: Neural Crest Tumor		0/50 (0%)	0/50 (0%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Esophagus: Fibrosarcoma		(201)	(00)			(0)	(00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Eye: Amelanotic Melanoma, Beni				•••••	•••••			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 267 Report Date: 10/04/2007

			Male				Female	
#Eye: Melanoma Benign Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Eye: Schwannoma Malignant	•••••	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Harderian Gland: Adenoma	•••••	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Harderian Gland: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Heart: Schwannoma Benign Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Page: 268

			Male				Female	
*Heart: Schwannoma Malignant		0/50 (0%)	1/50 (2%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Intestine Large: Colon/Rectum: Adenoma	•••••							
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
#Intestine Large: Colon/Rectum: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Rectum: Carcinoma or Adenoma	•••••							
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
#Intestine Large: Colon/Rectum: Leiomyosarcoma	•••••							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Duodenum: Carcinoma	•••••							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Page: 269

			Male				Female	
#Intestine Small: Duodenum: Leiomyoma								
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 00/	Total	0/50 (0%)	0/50 (0%) Mean 0%	CD 00/
Overall incidence	Total	0/100 (0%)	wean 0%	SD 0%	Total	0/100 (0%)	wean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyoma							-1	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		,				, ,	Mean 070	
#Intestine Small: Jejunum: Leiomyosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Site Unspec Carcinoma	cified:	2/22 (221)	2/22 (22)			0/20 (00/)	2/52 (221)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overall illicidence	I Otal	0/100 (070)	Wearr 070	35 0%	ı olai	0/100 (078)	Weatt 070	35 0%
#Intestine Small: Site Unspec Carcinoma or Adenoma	cified:	2/52 (224)				2/22 (221)	2(20)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
	. Otal	0,100 (070)					wican 070	
#Intestine Small: Site Unspec Leiomyoma	cified:							
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	SD 00/	Total	0/50 (0%)	0/50 (0%)	CD 00/
Overall incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 270

			Male				Female	
#Intestine Small: Site Unspecies	fied:							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Islets, Pancreatic: Adenoma		0/50 (400/)	F/F0 (400())			0/50 (00()	0/50 (0%)	
Overall Incidence	Total	6/50 (12%) 11/100 (11%)	5/50 (10%) Mean 11%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Islets, Pancreatic: Carcinoma		0/50 (00/)	0/50 (404)			0/50 (00()	0/50 (00)	
Overall Incidence	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Islets, Pancreatic: Carcinoma or Adenoma		6/50 (12%)	7/50 (14%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	13/100 (13%)	Mean 13%	SD 1.41%	Total	0/30 (0%)	Mean 0%	SD 0%
*Kidney: Pelvis and Transition Carcinoma	al Epitheliu	m:			•••••			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Kidney: Pelvis and Transition Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups

Vehicle: ETHANOL

Route: SKIN

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Page: 271

			Male				Female	
Kidney: Pelvis and Transition	al Epitheliu	m:						
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Adenoma		4/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	1/50 (2%)	0/50 (0%)	CD 4 440/	Total	0/50 (0%)	0/50 (0%)	CD 00/
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overall incluence	I Ulai	0/100 (0%)	Wearr 0%	30 0%	I Ulai	0/100 (0%)	iviean 0%	3D 0%
*Kidney: Renal Tubule: Carcinoma or Adenoma		(22)	2(-2 (22)			2/22 (221)	(201)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overali incidence	Total	1/100 (1%)	weari 1%	SD 1.41%	TOlai	0/100 (0%)	wean 0%	3D 0%
*Kidney: Renal Tubule: Hemangiosarcoma		0(50 (004)	0/50 (004)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overan microence	I Ulai	0/100 (0/0)	IVICALI U/0	3D 070	IUIAI	0,100 (0.76)	IVICALI U/0	30 0/0
*Kidney: Renal Tubule: Lipoma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups Contract/Lab: All Laboratories

> Route: SKIN Vehicle: ETHANOL

Length of Study: CHRONIC

Page: 272

			Male				Female	
*Kidney: Renal Tubule: Liposarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Kidney: Renal Tubule: Mesenchymal Tumor Benign		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Nephroblastoma	•••••	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Sarcoma		0/50 (00/)	0/50 (00/)			0/50 (001)	0/50 (001)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Liver: Cholangiocarcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Liver: Cholangioma		0/50 (0%)	0/50 (0%)			0/50 /00/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 273

Report Date: 10/04/2007

Route: SKIN

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Liver: Hemangiosarcoma		0/50 (09/)	0/50 (0%)			0/50 (0%)	0/50 (09/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Liver: Hepatocellular Adenoma		0/50 (00()	0/50 (00)			0/50 /00/)	0/50 (400/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 6/100 (6%)	6/50 (12%) Mean 6%	SD 8.49%
*Liver: Hepatocellular Carcinoma		4/50 (20()	0/50 (00/)			0/50 (00/)	0/50 (09/)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Liver: Hepatocellular Carcinoma	or Hepatob		0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Liver: Hepatocellular Carcinoma	or Hepatoc	ellular Adenoma 1/50 (2%)	0/50 (0%)		•••••	0/50 (0%)	6/50 (12%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	6/100 (6%)	Mean 6%	SD 8.49%
*Liver: Hepatocellular Carcinoma Hepatoblastoma	, Hepatocell				•••••			
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 6/100 (6%)	6/50 (12%) Mean 6%	SD 8.49%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Page: 274

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

			Male				Female	
*Lung: Alveolar/Bronchiolar Ad	denoma	1/50 (2%)	1/50 (2%)			4/50 (8%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	4/100 (4%)	Mean 4%	SD 5.66%
*Lung: Alveolar/Bronchiolar Ca	arcinoma	1/50 (2%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%
*Lung: Alveolar/Bronchiolar Ca Adenoma	arcinoma or Alv		4/50 (20/)			4/50 (99/)	0/50 (00/)	
Overall Incidence	Total	2/50 (4%) 3/100 (3%)	1/50 (2%) Mean 3%	SD 1.41%	Total	4/50 (8%) 4/100 (4%)	0/50 (0%) Mean 4%	SD 5.66%
*Lung: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Lung: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Lung: Squamous Cell Carcino	ma	0/50 (0%)	0/50 (0%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 275

			Male				Female	
#Lymph Node, Mesenteric: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		, ,				,		
#Mammary Gland: Adenoma		0/50 (00/)	0/50 (001)			4/50 (00/)	0/50 (00/)	
Overell Incidence	Total	0/50 (0%)	0/50 (0%)	CD 00/	Total	1/50 (2%)	0/50 (0%)	CD 4 440/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Mammary Gland: Carcinoma								
		0/50 (0%)	0/50 (0%)	05.00/		2/50 (4%)	4/50 (8%)	00.000/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	6/100 (6%)	Mean 6%	SD 2.83%
Mammary Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)			3/50 (6%)	4/50 (8%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	7/100 (7%)	Mean 7%	SD 1.41%
Mammary Gland: Fibroadenoma								
		1/50 (2%)	0/50 (0%)			14/50 (28%)	12/50 (24%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	26/100 (26%)	Mean 26%	SD 2.83%
Mammary Gland: Fibroma								
	.	0/50 (0%)	0/50 (0%)	OD 00/	-	0/50 (0%)	0/50 (0%)	OD 00/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Overall Incidence

Rhabdomyosarcoma

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

Vehicle: ETHANOL

			Male				Female	
Mammary Gland: Fibroma, Fibroadenoma	or Adenoma	4/50 (00/)	0/50 (00/)			45/50 (200)	40/50 (040/)	
verall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	15/50 (30%) 27/100 (27%)	12/50 (24%) Mean 27%	SD 4.24%
Mammary Gland: Fibroma, Fibroadenoma	ı, Carcinoma, c	or Adenoma 1/50 (2%)	0/50 (0%)			17/50 (34%)	14/50 (28%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	31/100 (31%)	Mean 31%	SD 4.24%
Mesentery: Fibrosarcoma		0/50 /0%	0/50 (00/)			0/50 (00()	0/50 (00/)	
verall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
lesentery: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
verall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
lesentery: Osteosarcoma	•••••							
verall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

Total

0/50

0/100 (0%)

(0%)

0/50

(0%)

SD 0%

Mean 0%

Page: 276

Report Date: 10/04/2007

Total

0/50

0/100 (0%)

(0%)

(0%)

SD 0%

......

Mean 0%

0/50

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL

Page: 277

			Male				Female	
*Nose: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Nose: Chondroma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Nose: Sarcoma		0/50 (00/)	0/50 (00()			0/50 (00)	0/50 (00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Nose: Squamous Cell Carcinom	na	0/50 (0%)	1/50 (2%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, To Papilloma Squamous or I	ongue, Phary	, ,			•••••			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinom	ongue, Phary	nx, Tooth, Gingiva):					•••••	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 278

Report Date: 10/04/2007

Route: SKIN Vehicle: ETHANOL

Length of Study: CHRONIC

Male Female #Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or **Papilloma** (0%)0/50 (0%)3/50 (6%)**Overall Incidence** Total 0/100 (0%) Mean 0% SD 0% Total 3/100 (3%) Mean 3% SD 4.24% #Oral Mucosa: **Squamous Cell Carcinoma** 0/50 (0%)(0%)0/50 1/50 (2%)**Overall Incidence** Total 0/100 (0%) Mean 0% SD 0% Total 1/100 (1%) Mean 1% SD 1.41% **#Oral Mucosa: Squamous Cell Papilloma** 0/50 (0%)(0%)SD 0% SD 0% Overall Incidence Total 0/100 (0%) Mean 0% Total 0/100 (0%) Mean 0% **Granulosa Cell Tumor Benign** 0/50 0/50 (0%)**Overall Incidence** Total 0/100 (0%) Mean 0% SD 0% *Ovary: **Granulosa Cell Tumor Malignant** (0%)Mean 0% SD 0% Overall Incidence Total 0/100 (0%) *Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS 0/50 (0%)**Overall Incidence** Total 0/100 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL

Page: 279

			Male				Female	
*Ovary: Granulosa-Theca Tumor Bo	enign					2/22 (221)	2(-2)	
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pancreas: Adenoma								
Overall Incidence	Total	0/50 (0%) 3/100 (3%)	3/50 (6%) Mean 3%	SD 4.24%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pancreas: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Pancreas: Carcinoma or Adenoma		0/50 (0%)	3/50 (6%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 4.24%	Total	0/100 (0%)	Mean 0%	SD 0%
Pancreas: Mixed Tumor Benign								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Parathyroid Gland: Adenoma								
Overall Incidence	Total	0/49 (0%) 0/98 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/46 (0%) 0/91 (0%)	0/45 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 280

			Male				Female	
#Peripheral Nerve: Schwannoma Malignant		2/52 (221)	2/22 (22)			(201)	2/22 (221)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Overall illicidence		, ,				` ,		
#Peripheral Nerve: Schwannoma: Benign, Malig	ınant, NOS	;						
3,	,	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
						•••••		
*Pituitary Gland: Pars Distalis or Adenoma	r Unspecit		00(50 (500))			05/50 (700/)	00/50 (000/)	
O	T-1-1	32/50 (64%)	29/50 (58%)	OD 4.040/	T-1-1	35/50 (70%)	33/50 (66%)	OD 0.000/
Overall Incidence	Total	61/100 (61%)	Mean 61%	SD 4.24%	Total	68/100 (68%)	Mean 68%	SD 2.83%
*Pituitary Gland: Pars Distalis or Carcinoma								
Garomoma		0/50 (0%)	5/50 (10%)			0/50 (0%)	3/50 (6%)	
Overall Incidence	Total	5/100 (5%)	Mean 5%	SD 7.07%	Total	3/100 (3%)	Mean 3%	SD 4.24%
*Pituitary Gland: Pars Distalis or Carcinoma or Adenoma	r Unspecif	ied Site:						
		32/50 (64%)	34/50 (68%)			35/50 (70%)	36/50 (72%)	
Overall Incidence	Total	66/100 (66%)	Mean 66%	SD 2.83%	Total	71/100 (71%)	Mean 71%	SD 1.41%
*Pituitary Gland: Pars Intermedia Adenoma								
		0/50 (0%)	2/50 (4%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

Page: 281

Report Date:10/04/2007

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Pituitary Gland: Pars Interme Carcinoma	edia:							
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pituitary Gland: Pars Interme Carcinoma or Adenoma		0/50 (0%)	3/50 (6%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 4.24%	Total	0/100 (0%)	Mean 0%	SD 0%
*Prostate: Adenoma		0/50 (00/)	4/50 (20()					
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%				
*Prostate: Carcinoma or Adenoma		0/50 (0%)	1/50 (2%)					
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%				
*Salivary Glands: Sarcoma		0/50 (00)	4/40 (00/)			0/50 (00/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 1/99 (1.01%)	1/49 (2%) Mean 1.02%	SD 1.44%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Salivary Glands: Schwannoma Malignant								
Overall Incidence	Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL

Report Date: 10/04/2007

Page: 282

			Male				Female	
#Skeletal Muscle: Fibrosarcoma		0/50 (00/)	0/50 (00)			0/50 (00)	0/50 (00)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skeletal Muscle: Hemangioma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skeletal Muscle: Hemangiosarcoma			0/50 (00)					•••••
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skeletal Muscle: Lipoma		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/30 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Skeletal Muscle: Rhabdomyosarcoma or R	thabdomyoma		0/50 (00/)			4/50 (00()	0/50 (00()	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Page: 283

Report Date:10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

			Male				Female	
#Skeletal Muscle: Sarcoma								
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Basal Cell Adenoma								
Buour Com Audinomia		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin:			•••••				• • • • • • • • • • • • • • • • • • • •	
Basal Cell Adenoma or Ba	sosquamou		0/50 (00/)			2/22 (22/)	2(22 (22)	
Overell besidence	Tatal	0/50 (0%)	0/50 (0%)	CD 00/	Tatal	0/50 (0%)	0/50 (0%)	CD 00/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Skin: Basal Cell Adenoma, Base Trichoepithelioma	osquamous '	Tumor Benign, or						
•		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Skin: Basal Cell Carcinoma							•••••	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Skin: Basal Cell Carcinoma or E NOS)		us Tumor (malignant o						
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

OII. OCI2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL

ute: SKIN

Page: 284

			Male				Female	
#Skin: Basal Cell Carcinoma, Tumor (benign, maligi								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Basal or Sq. Cell Carc or B), Basal Cell Aden Papilloma, Keratoacar	inoma, Carcinor oma, Adenoma,	na, Basosq. Tumor (M Papilloma, Sq pithelioma						
Overall Incidence	Total	2/50 (4%) 6/100 (6%)	4/50 (8%) Mean 6%	SD 2.83%	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%
#Skin: Fibroma		7/50 (14%)	5/50 (10%)		•••••	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	12/100 (12%)	Mean 12%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Fibroma, Fibrosarcom Fibrous Histiocytoma	na, Sarcoma, My	xoma, Myxosarcoma, o				0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	13/100 (13%)	Mean 13%	SD 4.24%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Fibrosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
≴Skin: Fibrosarcoma, Sarcon Histiocytoma	na, Myxosarcom	•						
		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	00.007
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 285

			Male				Female	
#Skin: Fibrous Histiocytoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Hemangioma	• • • • • • • • • • • • • • • • • • • •	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma	•••••	2/50 (4%)	3/50 (6%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	5/100 (5%)	Mean 5%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Skin: Lipoma	••••							
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Liposarcoma		0/50 (0%)				0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Page: 286

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

			Male				Female	
#Skin: Neural Crest Tumor		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Neurofibroma or Schwa	ınnoma benign		0/50 /00/			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or S			2/50 (4%)			0/50 (0%)	2/50 (4%)	
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	2/100 (2%)	Mean 2%	SD 2.83%
#Skin: Neurofibrosarcoma, Nemalignant or NOS)	urofibroma, or	, -						
Overall Incidence	Total	2/50 (4%) 4/100 (4%)	2/50 (4%) Mean 4%	SD 0%	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%
#Skin: Osteosarcoma		0/50 (00)	0/50 (00/)				0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Sarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Report Date: 10/04/2007

Page: 287

			Male				Female	
#Skin: Schwannoma Benign		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Malignant								
Overall Incidence	Total	1/50 (2%) 3/100 (3%)	2/50 (4%) Mean 3%	SD 1.41%	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%
Skin: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
∜Skin: Squamous Cell Carcinoma, Basosquamous Tumor (mal			0/50 (0%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
Skin: Squamous Cell Papilloma								
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Skin: Squamous Cell Papilloma o	r Papillom	a 0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Report Date: 10/04/2007

Page: 288

			Male				Female				
#Skin: Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma											
		2/50 (4%)	4/50 (8%)			1/50 (2%)	1/50 (2%)				
Overall Incidence	Total	6/100 (6%)	Mean 6%	SD 2.83%	Total	2/100 (2%)	Mean 2%	SD 0%			
#Skin:			•••••	•••••		•••••					
Squamous Cell Papilloma,	Papilloma,	or Keratoacanthoma 2/50 (4%)	4/50 (8%)			0/50 (0%)	1/50 (2%)				
Overall Incidence	Total	6/100 (6%)	Mean 6%	SD 2.83%	Total	1/100 (1%)	Mean 1%	SD 1.41%			
#Skin: Trichoepithelioma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
#Skin: Sebaceous Gland: Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%			
#Skin: Sebaceous Gland: Carcinoma						-/	- ()				
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50 (09/)	1/50 (20/)			0/50 /0%\	0/50 /09/				
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
Jveran meluence	i Otai	1/100 (1/0)	IVICALL 170	JD 1.4170	i Otal	0/100 (0/0)	IVICALI U/0	3D 070			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

Vehicle: ETHANOL

Page: 289

			Male				Female	
#Spinal Cord: Astrocytoma Benign	Tatal	0/50 (0%)	0/50 (0%)	CD 00/	Tatal	0/50 (0%)	0/50 (0%)	CD 004
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Spleen: Fibrosarcoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
*Spleen: Hemangioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Spleen: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Spleen: Leiomyosarcoma		0/50 (00()	0/50 (00/)			0/50 //0//	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Forestomach: Leiomyosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

Report Date:10/04/2007

Page: 290

Species: RATS Strain: F344

Vehicle: ETHANOL

Length of Study: CHRONIC

			Male		Female
#Stomach, Forestomach: Schwannoma Malignant		0/50 (00/)	0/50 (00/)	0/50 /6	0/50 /00/)
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD (•	0%) 0/50 (0%) Mean 0% SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0	0%) 0/50 (0%)
Overall Incidence	Total	0/100 (0%)	Mean 0% SD (,	, ,
#Stomach, Forestomach: Squamous Cell Carcinoma c			1/50 (2%)	0/50 (0	0%) 0/50 (0%)
Overall Incidence	Total	2/100 (2%)	Mean 2% SD (,	
#Stomach, Forestomach: Squamous Cell Papilloma		1/50 (2%)	1/50 (2%)	0/50 (0	0%) 0/50 (0%)
Overall Incidence	Total	2/100 (2%)	Mean 2% SD (*	, ,
#Stomach, Glandular: Leiomyosarcoma		0/50 (00/)	0/50 /00/	2/52 /6	2/52 (201)
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD (*	0%) 0/50 (0%) Mean 0% SD 0%
#Stomach, Glandular: Lipoma					
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD (*	0%) 0/50 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Contract/Lab: All Laboratories

Toxicology Data Management System

Vehicle: ETHANOL

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

Strain: F344 Length of Study: CHRONIC Page: 291

			Male				Female	
*Testes: Adenoma								
Overall Incidence	Total	37/50 (74%) 73/100 (73%)	36/50 (72%) Mean 73%	SD 1.41%				
*Thymus: Sarcoma		0/49 (0%)	0/49 (0%)			0/45 (0%)	0/50 (0%)	
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/45 (0%)	0/50 (0%) Mean 0%	SD 0%
*Thymus: Thymoma Benign		0/49 (0%)	0/49 (0%)			0/45 (0%)	0/50 (0%)	
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/45 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Malignant		0/40 (001)	0/40 (00/)			0/45 (00/)	0/50 (00/)	
Overall Incidence	Total	0/49 (0%) 0/98 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/45 (0%) 0/95 (0%)	0/50 (0%) Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Malig	nant, NOS	0/49 (0%)	0/49 (0%)			0/45 (0%)	0/50 (0%)	
Overall Incidence	Total	0/98 (0%)	Mean 0%	SD 0%	Total	0/95 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma		40/50 (00%)	5/50 (4.00V)			0/50 /400()	0/50 (00/)	
Overall Incidence	Total	10/50 (20%) 15/100 (15%)	5/50 (10%) Mean 15%	SD 7.07%	Total	8/50 (16%) 11/100 (11%)	3/50 (6%) Mean 11%	SD 7.07%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: ETHANOL

Page: 292

			Male				Female	
*Thyroid Gland: C-Cell: Carcinoma		2/50 (4%)	5/50 (10%)			0/50 (0%)	2/50 (4%)	
Overall Incidence	Total	7/100 (7%)	Mean 7%	SD 4.24%	Total	2/100 (2%)	Mean 2%	SD 2.83%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		12/50 (24%)	10/50 (20%)			8/50 (16%)	5/50 (10%)	
Overall Incidence	Total	12/50 (24%) 22/100 (22%)	Mean 22%	SD 2.83%	Total	8/50 (16%) 13/100 (13%)	5/50 (10%) Mean 13%	SD 4.24%
*Thyroid Gland: Follicular Cell: Adenoma	•••••	0/50 (0%)	4/50 (20/)			0/50 (0%)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Thyroid Gland: Follicular Cell: Carcinoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma		4/50 (00/)	4/50 (00)			0/50 (00/)	4/50 (00/)	
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
#Tissue NOS: Fibrosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Page: 293

			Male				Female	
#Tissue NOS: Leiomyoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tissue NOS: Lipoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tissue NOS: Paraganglioma		0/50 (00()	0/50 (00/)			0/50 (00/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tissue NOS: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tissue NOS: Schwannoma Malignant			(201)					
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Tongue: Liposarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Page: 294

Report Date: 10/04/2007

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

			Male				Female	
#Tongue: Squamous Cell Carcinoma	or Papillom		0/50 (00/)			0/50 (00/)	0/50 (400)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%
#Tongue: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	2/50 (4%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	2/100 (2%)	Mean 2%	SD 2.83%
#Tooth: Odontoma		0/50 (0%)	0/50 (00/)			4/50 (00/)	0/50 (00()	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
*Urinary Bladder: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma or Papilloma		0/50 (0%)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Urinary Bladder: Leiomyosarcoma		0/50 (004)	0/50 (00/)			0/50 (00/)	0/50 (004)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 295

Report Date:10/04/2007

Route: SKIN

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Urinary Bladder: Papilloma		2/70 (00)	2/72 (224)			2/52 (221)	2/22 (221)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Adenoma								
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Carcinoma								
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Deciduoma Benign								
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Hemangioma						0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/100 (0%)	Mean 0%	SD 0%
<i>m.</i> ,		•••••				•••••		
#Uterus: Hemangiosarcoma						0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Page: 296

	Male			Female	
#Uterus: Leiomyoma			(00)	(201)	
Overall Incidence		Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
#Uterus: Polyp Stromal				•••••	
Overall Incidence		Total	2/50 (4%) 12/100 (12%)	10/50 (20%) Mean 12%	SD 11.31%
#Uterus: Sarcoma Stromal					
Overall Incidence		Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
#Uterus:				•••••	
Sarcoma Stromal or Polyp Stromal Overall Incidence		Total	3/50 (6%) 13/100 (13%)	10/50 (20%) Mean 13%	SD 9.9%
#Uterus: Schwannoma Malignant					
Overall Incidence		Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Vagina:					
Polyp Overall Incidence		Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

n: Oct2007

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN Vehicle: ETHANOL Report Date: 10/04/2007

Page: 297

			Male				Female	
#Vagina: Sarcoma						0/50 (00/)	0/50 (00/)	
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#7. make allo Oleve de						• • • • • • • • • • • • • • • • • • • •		
#Zymbal's Gland: Adenoma		(224)	2/22 (22()			0.70	2/22 (22()	
	.	0/50 (0%)	0/50 (0%)	00.00/	+	0/50 (0%)	0/50 (0%)	05.00/
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma				•••••		•••••	•••••	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#7balla Claudi								
#Zymbal's Gland: Carcinoma or Adenoma								
caronicina of Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied